BIBLIOTHECA

Ὀλυμπια Δόγματα,

OR, AN Almanack and Prognostication for the year of our Lord, 1655.

Being the third from Biſſextile or Leap-year, and from the Creation of the World, 5604.

Wherein is contained the ſtate of the whole year, the Eclipſes, Lunations, Conjunctions, and Aſpects of the Planets, with the Southing, Riſing, and Setting of the Sun, Moon and fixed Stars, every day in the year. Together with ſhort Directions to find the true hour of the Day and Night at all times, without Inſtrument; with other Obſervations very requiſite for men of all ſorts.

Calculated according to Art for the Meridian and Latitude of North-*Luffenham* in *Rutland*, where the Pole-Artique is elevated 52. deg. 40. min. lying from the Meridian of *London* Weſtward 0. deg. 45 min.

By *Vincent Wing*, Mathemat.

O quam juvabat (quo nihil majus Parens
Ntur genuit, operis immenſi artifex)
Cœlum intueri, Solis & curſus ſacros,
Mundique Motus, Solis alternas vices,
Orbemque Phœbes, Aſtra quem cingant vaga,
Lateque fulgens Ætheris magni decus.

Seneca in Octavia, Act. II. Sc. I.

LONDON.

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Common Notes observable for this present year 1655. according to

The Julian, English, or old account. } { The Gregorian, Forreign, or New account.

3	The Golden number	3
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A Table to know when the Terms begin and end, with the number of their Returns, and the day of the Moneth whereon they will be this present year, 1655.

Hillary Term begins the 23. of January, and ends the 12. of February: and hath 4. Returns, viz.	Octab. Hillarii	Janu.	20
	Quind. Hillar.	Janu.	27
	Craft. Purif.	Febr.	3
	Octab. Purif.	Febr.	9
Easter Term begins the 2. of May, and ends the 25. of the same, and hath five Returns, that is to say,	Quind. Paschæ.	April	30
	Tres Paschæ.	May	7
	Mense Paschæ,	May	14
	Quinq. Paschæ	May	21
	Craft. Ascens.	May	25
Trinity Term begins the 15. of June, and ends the 4. of July, and hath 4. Returns, viz.	Craft. Trinit.	June	11
	Octabis Trin.	June	18
	Quind. Trin.	June	25
	Tres Trin.	July	2
Michaelmas Term begins the 23. of October, and ends the 28. of November, and hath 6. Returns, that is to say,	Tres Michael.	Octob.	20
	Mense Michael.	Octob.	27
	Craft. Animar.	Novemb.	3
	Craft. Mart.	Novemb.	12
	Octab. Mart.	Novemb.	19
	Quind. Mart.	Novemb.	26

The Golden Planet Venus is a morning Star (but can hardly be seen) from the beginning of the year, until the 3. of Febr. at which time she is in Conjunction with the Sun, and from thence she is a glittering Evening Star, untill the 19 of November, when she is again in Conjunction with the Sun, from which time she becomes a morning star, and so continues till the 2. of Septemb. 1656.

A Table shewing the Bearing, Distance, Longest day, and difference of the Meridians, of divers of the chiefest Cities in the World, from the famous City of *London*.

The names of the places.	The way they beare	Their distan. miles.	Longest day. Ho. mix	Differ. of Meridians. H. M.
Alexandria in Ægypt	S. E. by E.	2169	14 0	2 42. A
Amsterdam in Holland	E. by N.	266	16 40	0 28. A
Athens	S. E. by E.	1624	14 40	0 56. A
Antwerp	East *ferè*	248	16 28	0 24. A
Antioch	East So. East	2319	14 26	3 16. A
Barwick	North *ferè*.	267	17 24	0 2. A
Babylon	Ea. So. East.	2724	14 25	3 56. A
Burdeaux in France	South *ferè*	360	15 25	0 8. S
Bridges in *Flanders*	East	161	16 16	0 16. A
Bethsaida	Sou. Ea. by Ea.	2309	14 6	2 29. A
Calicute in East India	Sou. Ea. by Ea.	5214	12 20	6 8. A
Cambridge	North *ferè*.	44	16 34	0 1. A
Carlile	Nor. No. W.	224	17 0	0 10. S
Calice in France	East by Sou.	86	16 25	0 9. A
Constantinople.	Ea. So. Ea.	1547	15 15	2 24. A
Charon in *Mesopotamia*	East So. East	2466	14 30	3 36. A
Cicilie Iland	So. Ea. by So.	1178	14 30	1 8. A
Dover	East by Sou.	49	16 25	0 5. A
Dublin in Ireland	No. W. by W.	296	17 15	0 26. S
Dantzick	Ea. No. East.	961	17 5	1 44. A
Damascus	East, So. East.	2404	14 15	3 16. A
Edenburge in Scotland	North.	328	17 40	0 0
Ephesus	East, So. Ea.	1808	14 40	2 30. A
Florence	South East.	802	15 10	0 57. A
Franckford	East. *ferè*	448	16 15	0 47. A
Fesse	So. So. West.	1365	14 0	0 39. S
Granado	So. by West.	911	14 43	0 45. S
Hamburg	East, Nor. Ea.	538	18 0	0 56. A
Hierusalem	Sou. Ea. by E.	2352	14 8	3 3. A
Lake of Sodom	Sou. Ea. by E.	2409	14 4	3 8 A
Lisborne in *Portugal*	So. So. West	985	14 45	1 0. S
Iland of Man	No. No. West	358	17 30	0 20. S
Middleburgh	East	205	16 30	0 20 A

The names of the places.	The way they bear.	Their distan. miles.	Longest day. Ho.	min.	Differ. of Meridian. Ho.	min.
Mentz in *Germany*	East.	420	16	25	0	45. A
Millain	So. East *fere*	645	15	22	0	48. A
Morocco in *Barbary*	Sou. Sou. West	1449	14	40	0	59. S
Mexico	West by Sou.	6844	13	20	9	28. S
Naples	Sou. Ea. by E	1051	14	50	1	16. A
Nice	East, Sou. Ea	1668	15	5	2	32. A
Nineveh	Ea. Sou. East	1635	14	30	3	52. A
Oxford	North West.	47	16	28	0	5. S
Paris in *France*	South, So. Ea	215	15	57	0	10. A
Philippos in *Macedonia*	Ea. So. East	1395	15	10	2	3. A
Prague in *Bohemia*	East *fere*.	700	16	15	1	14. A
Quinzoy, the greatest City in the world.	East by Sou.	7272	13	35	11	28. A
Rome	Sou. E. by E.	887	15	4	1	7. A
Spiers	E. by Sou.	430	16	2	0	46. A
Strawsborow	Ea. by South	432	16	0	0	41. A
Toledo in *Spain*	Sou by West	934	14	36	0	36. S
Troy	E. So. East.	1605	15	0	2	24. A
Thomere in *India*.	S. by W.	7680	12	20	9	52. A
Tangury	East So. East	6980	14	25	10	28. A
Tumbes	So. W. by W.	6049	12	15	6	56. S
Stamford	North *fere*.	70	16	40	0	1 S
Venice	East So. East.	744	15	28	1	3 A
York	North	150	17	0	0	0
Cæsaria in *Cappadocia*	East Sou. East.	1064	14	50	3	6 A
Elson-Nore in *Denmark*	No. East.	577	18	0	0	50. A
Iseland	No. No. West.	930	21	44	0	52 S
Joppa	So. Ea. by E.	2338	14	6	3	2. A
Cleve	East	303	16	30	0	32 A
London		0	16	26	0	0

Of the Rising and Setting of the Moon, and how to find the same by the Almanack.

There are many common Rules and Tables extant at this day, to find the Moons Rising & Setting at all times of the year, but being all false & imperfect, I have endeavoured to supply those defects by exact Calculation: and to that end I have these 15 years set down the same in the Almanack, and intend still to continue it for the benefit of my Countrey, and the rather, because it is a thing not yet performed by any, but Mr. Henry Philips, whose care and labour hath also not been wanting in this kind: But to our purpose: When you would have the time of the moons rising or setting, you must cast your Eye upon the last Column of the left hand Page of the Almanack, and against the day of the moneth (under the title moons rising and set.) you have the just time thereof in hours and min. As upon the 15 of Jan. I find the moon riseth at 08 clock & 12 min. at night, the 16 day at 10. & 35 min. &c.

To find the time of the Suns Riſing and Setting, with the length of the day and night.

In the third Columne (or Row) of the following Almanack I have ſet down the time of the Suns-ſetting for every fourth or fifth day, but if you would have his ſetting every day, you muſt make proportion for the intermediate dayes. As upon the firſt of March, I find the Sun ſets at 5, and 42. min. the 6 day at 5 and 52 min. the difference of the Sun ſet, in time is 10 min. and the difference of daies 5. therefore I ſee every day gets 2 min. So that if the Suns-ſetting ſhould be required upon the fourth day (which is three dayes after the firſt day) you muſt adde 6 min. to 5 hours 42 min. and you ſhall have the true time of the Suns ſetting upon the ſaid fourth day, at 5 a clock and 48 min. which doubled, giveth you the length of the day 11 hours 36. min. or if you Subſtract it from 12 you ſhall have 6 hours 12 min. for the time of the Sun Riſing, which being doubled gives 12 hours 24 min for the length of the night.

By this one Example may you find the Suns-Riſing and Setting, and length of the Day and Night all the year throughout, with much eaſe, and exactneſſe.

To find the time of the Moons coming to the South.

This thing is already done to your hand in the following Table, for if you finde your moneth in the Top, and your day in the firſt Row on the left hand, under the title Dayes, you ſhall (in the common Angle) have the hour and minute of her Southing deſired.

As upon the 6 day of January, I find according to this Direction, that the Moon will be South at 6 a clock, and 45. min. in the afternoon, therefore if you ſee her that evening in the South, you may conclude that to be the hour of the night, but if ſhe be in the 11. a clock ſtead, it is no more then 5. a clock and 45. min. if in the 10. a clock ſtead, but 4. a clock and 45 min. Again, admit the ſame night you ſhould ſee her in the one a clock ſtead, it is then 7. a clock, and 45. min. if in the two a clock ſtead, 8. a clock and 45. min.

Thus by obſerving theſe ſhort Directions, you may (by the help of a Sun-dial) diſcover the night hour at all times, if the moon ſhine; but becauſe ſhe is not alwaies ſeen, I have inſerted ſhort Rules (in the latter part of the Almanack) how to perform the ſame by the ſtars, which is of excellent uſe.

A Table shewing the hour and minute of the Moons coming to the South the first six moneths of this year, 1655.

Days	January. hou. min.	February hou. min.	March. hou. min.	April. ho. min.	May ho. min.	*June, ho. min.
1	2 A 53	3 A 46	2 A 38	4 A 26	5 A 22	6 A 39
2	3 37	4 37	3 30	5 26	6 17	7 22
3	4 22	5 28	4 24	6 24	7 8	8 9
4	5 6	6 23	5 22	7 21	7 56	8 51
5	5 54	7 22	6 21	8 16	8 43	9 39
6	6 45	8 22	7 21	9 6	9 28	10 27
7	7 39	9 24	8 20	9 51	10 14	11 15
8	8 36	10 24	9 17	10 41	11 0	12 4
9	9 38	11 23	10 11	11 27	11 47	mor. 4
10	10 42	12 17	11 3	12 14	12 36	0 55
11	11 46	mor. 17	11 53	mor. 14	mor. 36	1 43
12	12 46	1 5	12 40	1 3	1 27	2 30
13	mor. 46	1 53	mor. 40	1 51	2 16	3 14
14	1 40	2 41	1 27	2 41	3 5	3 56
15	2 31	3 29	2 14	3 32	3 52	4 39
16	3 18	4 16	3 4	4 21	4 38	5 22
17	4 3	5 4	3 52	5 9	5 22	6 6
18	4 50	5 52	4 42	5 55	6 5	6 54
19	5 36	6 41	5 32	6 43	6 49	7 44
20	6 21	7 30	6 20	7 27	7 34	8 39
21	7 9	8 20	7 9	8 12	8 21	9 38
22	7 56	9 7	7 56	8 57	9 9	10 39
23	8 46	9 54	8 42	9 43	10 3	11 42
24	9 36	10 42	9 28	10 32	11 1	0 A 45
25	10 24	11 27	10 13	11 25	0 A 1	1 46
26	11 12	0 A 14	11 0	0 A 21	1 5	2 43
27	11 59	1 0	11 48	1 19	2 8	3 37
28	0 A 44	1 48	0 A 38	2 20	3 10	4 26
29	1 30		1 32	3 23	4 7	5 14
30	2 15		2 27	4 23	5 1	6 1
31	3 0		3 25		5 52	

A

A Table shewing the hour and minute of the Moons comming to the South the last six moneths of this year, 1655.

Days	July. ho. min.	Auguſt. hou. min.	Septem. ho. min.	Octob. ho. min.	Novem. ho. min.	Decemb. hou. min.
1	6 A 47	7 A 53	9 A 10	9 A 29	10 A 21	10 A 36
2	7 38	8 42	9 55	10 12	11 12	11 36
3	8 29	9 32	10 39	10 56	12 6	12 38
4	9 8	10 22	11 24	11 43	mor. 6	mor. 38
5	9 56	11 9	12 9	12 31	1 7	1 41
6	10 45	11 54	mor. 9	mor. 31	2 7	2 42
7	11 34	12 38	9 54	1 25	3 8	3 38
8	12 22	mor. 38	1 41	2 20	4 8	4 33
9	mor. 23	1 21	2 31	3 19	5 5	5 22
10	1 8	2 43	3 22	4 18	5 57	6 9
11	1 51	2 48	4 15	5 17	6 47	6 57
12	2 34	3 34	5 14	6 14	7 37	7 43
13	3 17	4 23	6 15	7 9	8 24	8 31
14	4 0	5 17	7 14	8 2	9 10	9 21
15	4 46	6 13	8 12	8 52	9 58	10 10
16	5 34	7 12	8 9	9 42	10 47	11 0
17	6 24	8 14	10 2	10 29	11 36	11 50
18	7 20	9 16	10 54	11 18	0 A 28	0 A 39
19	8 19	10 15	11 45	0 A 8	1 18	1 27
20	9 21	11 10	0 A 33	0 58	2 8	2 13
21	10 24	0 A 41	1 25	1 49	2 58	2 57
22	11 26	0 57	2 14	2 40	3 45	3 38
23	0 A 26	1 46	3 4	3 32	4 30	4 20
24	1 21	2 36	3 55	4 22	5 13	5 2
25	2 14	3 27	4 47	5 10	5 56	5 45
26	3 9	4 15	5 37	5 56	6 38	6 29
27	3 53	5 4	6 25	6 43	7 22	7 17
28	4 15	5 47	7 14	7 26	8 4	8 6
29	5 27	6 45	8 1	8 9	8 50	9 2
30	6 15	7 35	8 46	8 52	9 40	10 1
31	7 5	8 23		9 35		11 2

☽ First quarter the 5 day, 2 min. past 1 in the afternoon.
○ Full moon the 12 day, 35 min. past 4 in the morning.
☾ Last quarter the 19 day, 49 min. past 7 in the morning.
● New moon the 27 day, 35 min. after high noon.

Kal.	Let.	Holy and festival days with Sun-set	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons Rising & Setting.
1	a	New year day	Pisc. 3	Overcast. ☌♄☾ 12 p	8 A27
2	b	Sun set 3 55	Pisc. 16	Warm & temperate.	9 46
3	c	Enoch.	Pisc. 28	Variable. □☿☽ 4 p.	11 5
4	d	Mathuf.	Ari. 12	△♃☌♂ 4 p. Snow.	12 25
5	e	Simeon	Ari. 25	*Si foras non hoſtem ha-*	mo. 25
6	f	Twelf day	Tau. 9	*bes, domi invenies.*	1 47
7	g	1 Sun. af. Ep.	Tau. 23	✶♃☿ o. Temperate.	3 8
8	a	Sun set 4. 2.	Gem. 7	Overcaſt & perhaps	4 28
9	b	Marcel.	Gem. 22	✶♂☿ 11 a. ſome ſnow	5 43
10	c	Paul Er.	Can. 7	☽ *Perig.* or rain.	6 42
11	d	Hyginus	Can. 22	Not much unlike.	7 24
12	e	Archard	Leo 7	Indifferent.	Full ☽
13	f	Sun ſet 4. 10	Leo 22	△♄☿ 11 a. Wind &	6 A19
14	g	2 Sun af. Ep.	Virg. 6	clouds. ☌♄☽ 5 p.	7 48
15	a	Maurice	Virg. 20	More ſerene.	9 13
16	b	Marcel.	Libr. 3	ſome drops.	10 35
17	c	Antonius	Libr. 16	□☿☽ 6 a. Variable.	11 56
18	d	Sun ſet 4. 19	Libr. 29	Vc ☉♄. Cloudy.	13 14
19	e	Pontian.	Scor. 12	Cold winds.	M14
20	f	Fab. Seb.	Scor. 24	*A tickliſh time to med-*	2 27
21	g	3. Sun. af. Ep.	Sagit. 6	*dle in.* Snow-like.	3 38
22	a	Sun ſet 4. 26	Sag. 18	A clear afternoon.	4 38
23	b	Term begins	Sag. 29	☽ *Apog.* Warm.	5 31
24	c	Timoth.	Capr. 11	△♄☽ 6 a. cloudy.	6 13
25	d	Conv. Paul.	Capr. 23	✶♃☿ 1 p. wind.	6 41
26	e	Polycarp.	Aqua. 5	Warmer. ✶♂☽ 9 a.	7 4
27	f	Sun ſet 4. 35	Aqua. 18	Rain like.	New ☽
28	g	4. Sun. aft. Ep.	Piſc. 0	Fair. □♂☽ 10 p.	6 A 8
29	a	11	Piſc. 13	Cloudy. ☌♄☽ 3 a.	7 27
30	b	Hippol.	Piſc. 26	Bq ♄☿. Fair.	8 47
31	c	Sun ſet 4 43	Aries 9	Warm. △♂☾ 9 a.	10 8

Moons Setting. Moons Riſing. ☾ ſets.

The 2 day at 9 night, Jupiter
The 7 day at 4 night, the 7 ✱
The 14 day at 5 night, Saturn
The 21 day at 1 morn. Mars
The 25 day at 3 afternoon, Mercury
The 27 day at 8 morn. Venus
The 30 day, at noon, Jupiter
} is with the Moon.

D.	ho.	min.	*Full Sea at London bridge.*
1	5 A	59	
2	6	43	
3	7	27	
4	8	12	
5	9	0	
6	9	51	Day 8 hours.
7	10	45	
8	11	42	
9	12	44	
10	mor.	44	
11	1	48	
12	2	52	
13	3	52	
14	4	46	
15	5	37	Day 8. hou. 30 min.
16	6	24	
17	7	9	
18	7	56	
19	8	42	
20	9	27	
21	10	15	
22	11	2	
23	11	52	
24	12	42	Day 9 houres.
25	1 A	30	
26	2	18	
27	3	5	
28	3	50	
29	4	36	
30	5	21	
31	6	6	

☽ First quarter the 3 day, 35 min. past 10 at night.
● Full moon the 10 day, 2 min. past 4 in the afternoon.
☾ Last quarter the 18 day, 22 min. past 3 in the morn.
● New moon the 26 day, 42 min. past 4 in the morning.

Dy	Wk	Holy & Festival days, with Sun set.	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons Rising & Setting.
1	b	Sun set 4 45.	Aries 22	☐ ♄ ♂ 10 p. About	11 A 29
2	c	Purif. Mary	Taur. 5	*Candlemas* expect	12 52
3	d	Blasius	Taur. 19	☌ ☉ ☿ 11 p. rain or	mo. 52
4	e	5 Sun. af. Epi.	Gem. 3	✶ ♂ ☿ 10 a. snow	2 14
5	f	Agatha.	Gem. 17	☽ *Perig.* SS ♃ ☉.	3 26
6	g	Sun set 4. 55	Canc. 1	Indifferent.	4 30
7	a	Zachary	Canc. 16	*What? all upon the Spur*	5 16
8	b	Salom.	Leo 1	*good Sir.* △ ♃ ☽ 7 a.	5 51
9	c	Apollon.	Leo 15	Variable. ☌ ☿ ☾ 4 p.	6 17
10	d	Sun set 5. 3.	Virg. 0	☌ ☿ ☾ 6 p. Rain.	Full ☽
11	e	Septuagesima	Virg. 14	Warm. ■ ♂ ☽ 11 a.	6 A 43
12	f	Term ends.	Virg. 28	Reasonable fair.	8 7
13	g	Agabus	Libr. 11	☌ ♄ ☿ 2 a. Cold rain	9 31
14	a	Valentine	Libr. 25	or snow is to be ex-	10 53
15	b	Sun set 5. 13	Scorp. 7	☌ ♄ ☉ 3 a. pected.	12 11
16	c	Juliana	Scor. 20	*Somewhat remisse.*	mo. 11
17	d	Constan.	Sag. 2	Wind and clouds.	1 25
18	e	Sexagesima	Sag. 14	Rain and snow, and	2 34
19	f	Sim. Ap.	Sag. 26	☽ *Apog.* stormy	3 27
20	g	Sun set 5. 23	Capr. 7	☌ ♄ ☿ 11 a. weather	4 11
21	a	Esaias	Cap. 19	*Mors violenta per*	4 45
22	b	Cath. P.	Aqua. 1	*clandestinas insidias*	5 9
23	c	Serenus.	Aqua. 13	*nonnullis hominibus*	5 27
24	d	Matthias Ap.	Aqua. 26	☐ ♂ ☿ 0. *decernitur.*	5 43
25	e	Shrove-Sund.	Pisc. 9	About S. Matthias	5 58
26	f	Sun set 5. 35	Pisc. 22	☌ ☉ ☿ 9 p. expect	New ☽ ☾ 7 A 52
27	g	Shrove-Tues.	Aries 5	hasty rain, and wind	9 18
28	a	Ashwednesd.	Aries 19	To ♄ ♂. to follow.	

Moons-Setting. Moons-Rising.

The 3 day at 9 night, the 7 ✶
The 10 day at midnight, Saturn
The 18 day at 8 night, Mars
The 26 day at 3 morn. Mercury
The same day at 4 aftern. Venus
The 27 day at 7 morn. Jupiter
} is with the Moon.

Venus and Mercury cannot be seen this Moneth.

D.	hou.	min.	*Full Sea at London bridge.*
1	6 A	52	Day 9 ho. 30 min.
2	7	43	
3	8	34	
4	9	29	
5	10	28	
6	11	28	
7	12	30	
8	mor.	30	Day 10 hours.
9	1	30	
10	2	29	
11	3	23	
12	4	11	
13	4	59	
14	5	47	
15	6	35	
16	7	22	Day 10 ho. 30 min.
17	8	10	
18	8	58	
19	9	47	
20	10	36	
21	11	26	
22	0 A	13	
23	1	0	Day 11 hours.
24	1	48	
25	2	33	
26	3	20	
27	4	6	
28	4	54	

☽ First quarter the 5 day, 14 min. past 6 in the morning.
● Full moon the 12 day, 6 min. past 4 in the morning.
☾ Last quarter the 19 day, half an hour past 11 at night.
● New moon the 27 day, 34 min. past 5 a clock at night.

M ♄ ♃	♀ ☿	Holy and festival days, with Sun set.	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons Rising & Setting.
1	♄	Sun set 5. 42	Taur. 2	□ ♂ ☿ ☽ p. Wind	10 A 43
2	☿	Chad.	Taur. 16	and clouds. ✶ ♃ ☾ 20.	12
3	♀	Maurice	Gem. 0	□ ♄ ☽ 9 p. Cold.	mor. 6
4	●	1 Sun. in Lent	Gem. 14	Indifferent.	1 23
5	☉	Eusebius	Gem. 28	Temperate winds.	2 29
6	♄	Sun set 5. 52	Canc. 12	☌ ♃ ☿ 7 p. ☌ ♃ ♀ 3.	3 27
7	☿	Felicitas	Canc. 26	☌ ☿ ♀ 6. Some change	4 2
8	♄	Cyprian	Leo 10	□ ♂ ☉ ☍ of weather.	4 27
9	☿	Prudent.	Leo 24	*Wo, wo to thee O Hypocr.*	4 49
10	♀	Sun set 6. 0	Virg. 8	Vc ♄ ♃. Obscure.	5 7
11	☾	2 Sun. in Lent	Virg. 22	Bq ♄ ♀. Slabby.	5 25
12	☉	Gregory	Libra 6	Good weather.	Full ☽.
13	♄	Ernestus	Libr. 19	Variable. ☌ ☿ ☽ 7 a.	8 A 35
14	☿	Eutich.	Scorp. 2	Vc ♄ ☉. Dark.	9 55
15	♄	Sun set 6. 10	Scor. 15	Fair and dry	11 12
16	☿	Cyriacus	Scor. 28	☌ ♃ ☉ 11 p. winds.	12 21
17	♀	Gertrud.	Sag. 10	♃ Oriental of ☉.	mo. 21
18	☾	3 Sun. in Lent	Sag. 22	*Dost thou (O worldling)*	1 24
19	☉	Joseph.	Capr. 4	*profess Relig. & practise*	2 14
20	♄	Sun set 6. 21	Capr. 15	Bq ♄ ☉. *nothing lesse?*	2 51
21	☿	Benedic.	Capr. 27	Some winds.	3 20
22	♄	Paulinus	Aqua. 9	Td ☿ ♀. Some drops	3 39
23	☿	Gotfrid.	Aqu. 21	♀ *in Elong. Max.*	3 56
24	♀	Quirinus	Pisc. 4	Cold and cloudy.	4 13
25	☉	Annun. Mary	Pisc. 17	☉ 14 42. ♈.	4 25
26	☾	Sun set 6. 31	Aries 0	△ ♄ ☿ 4 a. Cold.	4 38
27	♄	Jo. Eccem.	Aries 14	Much warmer.	New ☽
28	☿	Gideon	Aries 28	Springing weather:	8 A 30 ☾ set.
29	♄	Eustach.	Taur. 12	□ ♃ ♂ ☍. More tur-	10 3
30	☿	Guido	Taur. 26	Bq ♄ ♃. bulent ayr.	11 18
31	♀	Sun set 6. 44	Gem. 10	*Alter alteri nihil fidet.*	12 30

Moons Setting.

Moons Rising.

The 3 day at morn. the 7 ✳
The 10 day at 6 morn. Saturn
The 19 day at 1 afternoon, Mars
The 27 day at 3 morning, Jupiter } is with the Moon.
The 30 day ar 8 morn. the 7 ✳
The 28 day at 6 night, Venus
The 29 at 2 morning, Mercury

The bright ſtar ♃ cannot be ſeen all this Moneth.

D.	ho.	min.	*Full Sea at London bridge.*
1	5 A	44	
2	6	36	Day 11. ho, 30. min.
3	7	30	
4	8	28	
5	9	27	
6	10	27	
7	11	26	
8	12	23	
9	mor.	23	
10	1	17	Day 12. ho. Night 12 ho. Equal day and night.
11	2	9	
12	2	59	
13	3	46	
14	4	33	
15	5	20	
16	6	10	
17	6	58	Day 12 houres. 30 min.
18	7	48	
19	8	38	
20	9	26	
21	10	15	
22	11	2	
23	11	48	
24	12	34	Day 13. hours.
25	1 A	19	
26	2	6	
27	2	54	
28	3	44	
29	4	38	
30	5	33	
31	6	31	Day 13 hou. 30 min.

☽ First quarter the 3 day, 46 min. past 12 at noon.
● Full moon the 10 day, 44 min. past 3 in the afternoon.
☾ Last quarter the 18 day, 21 min. past at night.
● New moon the 26 day, half an hour past 3 in the morn.

Day	Wk	Holy & festival days, with Sun set	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons Rising & Setting.
1	☙	5 Sun. in Lent	Gem. 25	Some wind and	mo. 30
2	a	Sun set 6. 48	Canc. 9	☌☿♀ 2 a. rain.	1 28
3	b	Christian.	Canc. 23	Indifferent.	2 10
4	c	Ambrose	Leo 7	Fair. △♃☾. □♀☾.	2 39
5	d	Vincent	Leo 21	SS ♃♀. Seasonable.	3 4
6	e	Sixtus	Virg. 5	*Let us hope well to see*	3 23
7	f	Sun set 6. 58	Virg. 18	*good and wholsome*	3 39
8	☙	Palm-Sund.	Libra 1	△☌♀ 3 p. *Lawes esta-*	3 53
9	a	Albinus	Libra 15	*blished.* Some storms	4 7
10	b	Ezechiel	Libra 28	△♄☿ 5. of rain and	Full ☽
11	c	Leo Pap.	Scor. 11	☌☉☿ 10. hail, and	8 A 58
12	d	Sun set 7. 6.	Scor. 23	perhaps some thunder	10 13
13	e	Justinus	Sag. 6	△♄☉ 1 p. about this	11 19
14	f	Tiburt.	Sag. 18	time.	12 13
15	☙	Easter day.	Capr. 0	Td☌☉. Warm.	mo. 13
16	a	Carisius	Capr. 12	*Omne ignotum pro*	0 55
17	b	Sun set 7. 16	Capr. 23	*magnifico est.* Rain.	1 27
18	c	Apollon.	Aqua. 5	Cloudy. ☾☊	1 49
19	d	Timoth.	Aqua. 18	SS ♀☿. Mutable.	2 8
20	e	Sulpitius	Pisc. 0	Overcast. ☌♄☾ 8 p.	2 24
21	f	Adelar.	Pisc. 12	✶♀☽ 13 p.	2 37
22	☙	Low-Sunday	Pisc. 25	Some clouds. ✶☌☾	2 50
23	a	Sun set 7. 27	Aries 8	♄ *but is* □ ☿ 9 p.	3 2
24	b	Albertus	Aries 22	23 day, cold rain.	3 19
25	c	S. Mark.	Taur. 6	Td♄☉. Cold.	3 38
26	d	Cletus	Taur. 2	SS ♃☉. soft winds	New ☽
27	e	Anastas.	Gem. 5	Rain-like.	10 A 18
28	f	Sun set 7. 35	Gem. 20	*London smiles.*	11 22
29	☙	2. Sun. af. Ea.	Canc. 5	☽ *Perig.*	12 12
30	a	Joshua	Canc. 19	White clouds.	mo 12

Moons Setting. Moons Rising. ☾ set.

The 6 day at 10 morning, Saturn
The 17 day at 3 morn. Mars
The 24 day at 1 morn. Jupiter
The same day at 8 night, Mercury
The 26 day at 7 night, the 7 ✳
The 27 day at 4 afternoon, Venus
} is with the Moon.

Mercury lyes hid this moneth under the Wings of the Sun.

D.	ho.	min.	*Full Sea at London bridge.*
1	7 A	32	
2	8	32	
3	9	30	
4	10	27	
5	11	22	
6	12	12	
7	mo.	12	
8	0	57	Day 14 hours.
9	1	47	
10	2	33	
11	3	20	
12	4	9	
13	4	57	
14	5	47	
15	6	38	
16	7	27	Day 14 ho. 30 m.
17	8	15	
18	9	1	
19	9	49	
20	10	33	
21	11	18	
22	12	3	
23	0 A	49	
24	1	38	Day 15 hours.
25	2	31	
26	3	27	
27	4	25	
28	5	26	
29	6	29	
30	9	29	

☽ Firſt quarter the 2 day, 25 min. paſt 7 at night.
○ Full moon the 10 day, 23 min. paſt 6 in the morning.
☾ Laſt quarter the 18 day, 38 min. paſt 10 before noon.
● New moon the 25 day, 32 min. paſt 11 before noon.

Kl.	Ca.	Holy & feſtival days, with Sun ſet.	Moons Sign	The Planets Aſpects, & change of ayr, &c.	Moons Riſing & Setting.
1	b	Phil. & Jacob.	Leo 4	Fair and temperate.	● M 46
2	c	Sun ſet 7. 43.	Leo 18	Term begins.	1 15
3	d	Invent. Cru.	Virg. 1	Some clouds.	1 33
4	e	Florian.	Virg. 15	A temperate & ſea-	1 50
5	f	Gothar.	Virg. 28	✶♃☿ 13. ſona. time.	2 3
6	g	3 Sun. af. Eaſt.	Libra 11	*Beware of fair words.*	2 19
7	a	Sun ſet 7. 51.	Libra 24	Pleaſant weather.	2 31
8	b	Staniſl.	Scor. 7	△♂☉ 3 a. Warm.	2 46
9	c	Job	Scor. 20	△♄☿ 7 p. Variable.	3 5
10	d	Pancrat.	Sag. 2	☿ *in Elong. Max.*	Full ☽
11	e	Chriſtian.	Sag. 14	Clear. △♃☽ 10 p	10 A 7
12	f	Sun ſet 7. 57	Sag. 26	♂☿☾ 11 a. Warm.	10 53
13	g	4. Sun af. Ea.	Capr. 8	Overcaſt, & windy.	11 28
14	a	Fortuna	Capr. 20	□♄☉ 10 p. Thunder	11 54
15	b	Sophia	Aqua. 2	and hail. △☉☽ 5 p.	12 14
16	c	Peregrin.	Aqua. 13	Mutable. □☿☽ 6 a.	mo. 14
17	d	Sun ſet 8. 4.	Aqua. 25	☌♃☿. Temperate.	● 27
18	e	Venant.	Piſc. 8	✶♄☿ 12 p. cold rain	0 41
19	f	Sara	Piſc. 20	*Qui neminēmiſeretur,*	0 55
20	g	Rogation-S.	Aries 3	*à nemine miſerebitur.*	1 9
21	a	Prudent.	Aries 16	Clear. Td ♂☿.	1 23
22	b	Sun ſet 8. 9.	Tau. 0	Thunder-like.	1 36
23	c	Deſider.	Tau. 14	ſs ♃☿. ſome wind.	1 58
24	d	Aſcenſion day	Tau. 29	Cool. □ ♄☽ 8 p.	2 26
25	e	Urbanus	Gem. 14	No great alteration	New ☽
26	f	Sun ſet 8. 13.	Gem. 29	of the weather yet.	10 A 1
27	g	6 Sun. af. Eaſt.	Can. 14	☽ *Perig.* temperate.	10 41
28	a	Term ends.	Can. 29	Coloured clouds.	11 13
29	b	Maximi.	Leo 14	△♂☿ 15. Bluſtering	11 34
30	c	Wigand	Leo 28	□♄☿ 10 p. windy	11 53
31	d	Sun ſet 8. 17	Virg. 12	weather.	12 10

Moons Setting.

Moons Riſing.

☾ ſetting.

The 3 day at 3 afternoon, Saturn
The 15 day at 7 morning, Mars
The 21 day at 9 night, Jupiter
The 23 day at midnight, Mercury } is with the Moon,
The 27 day at noon, Venus
The 29 day at night, Arista
The 30 day at 11 night, Saturn

D.	ho	min.	*Full Sea at London bridge.*
1	8 A	29	
2	9	23	
3	10	14	Day 15 ho. 30 min.
4	11	2	
5	11	49	
6	12	34	
7	mor.	34	
8	1	20	
9	2	6	
10	2	53	
11	3	42	
12	4	33	
13	5	22	
14	6	11	Day 16 hours.
15	6	58	
16	7	44	
17	8	28	
18	9	11	
19	9	55	
20	10	40	
21	11	27	
22	12	15	
23	1 A	9	
24	2	7	
25	3	7	
26	4	11	
27	5	14	
28	6	16	Day 16 ho. 30 m.
29	7	13	
30	8	7	
31	8	58	

June hath xxx. dayes.

☽ First quarter the first day, 51 min. past 2 in the morn.
● Full Moon the 8 day, at 9 a clock at night.
☾ Last quarter the 16 day, 54 min. past 11 at night.
● New moon the 23 day, 35 min. past 6 at night.
☽ First quarter the 30 day, just at noon.

Ast.	Mo.	Holy & festival days, with Sun-set.	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons Rising and Setting
1	c	Sun set 8.17.	Virg.25	☉ 20 17 ♊ Fair.	mor.10
2	f	Marcell.	Libra 8	SS ☉ ☿. Very warm,	o 23
3	G	Whit-sunday.	Libr. 21	Very temperate and	o 35
4	a	Quirinus.	Scor.p.3	□ ♃ ☿ 6 p. seasonable	o 48
5	b	Bonifac.	Scor.16	✶ ♃ ☉ 7 a. weather.	1 4
6	c	Sun set 8. 19.	Scor. 29	*Some welcome Newes*	1 26
7	d	Paul. Ep.	Sag. 11	*from the North.*	1 57
8	e	Medard	Sag. 23	Some cooling winds.	Full ☽
9	f	Barnim.	Capr. 5	✶ ♃ ☿ 9 p. ☽ ☌ ♈.	9 A 22
10	G	Trinity-Sund.	Capr.17	☐ ☿ ☌ Indifferent	9 52
11	a	Sun set 8. 20.	Capr.28	stormes of rain and	10 14
12	b	Blandin.	Aqu. 10	☌ ☉ ☿ 9 p. ☌ ☌ ☿ 9 p.	10 30
13	c	Cyrillus	Aqu. 22	☌ Ret. in Ve. thunder.	10 43
14	d	Valerius	Pisc. 4	✶ ♄ ☿ 7 p. Windy.	10 55
15	e	Term begins	Pisc. 16	*Tempestates magnæ in*	11 7
16	f	Sun set 8. 19.	Pisc. 29	*mari existent.*	11 20
17	G	1 Sun. aft. Tri.	Arie. 12	✶ ☉ ☿ ♄ ☌. Cool &	11 36
18	a	Homer.	Arie. 25	cloudy. Cleer after	11 53
19	b	Gervas.	Taur. 8	☊ ☉ ♃. more cleer.	12 17
20	c	Regina	Taur. 22	☌ ☿ ☾ 12 a. Variable	mo. 10
21	d	Sun set 8. 17.	Gem. 7	Td ♃ ☿. Fair.	o 57
22	e	Achatius	Gem. 22	Warm. ✶ ♃ ☽ 7 p.	1 39
23	f	Basilius	Canc. 7	☽ *negat.* Seasonable.	New ☽
24	G	John Baptist	Can. 22	Fair and windy.	9 A 4
25	a	Elogius	Leo. 7	□ ♃ ☿ 8 a. Windy.	9 31
26	b	Sun set 8.13.	Leo 22	with some Thunder-	9 53
27	c	7 dorm.	Virg. 7	☌ ☌ ☿ 8 p. claps,	10 9
28	d	Leo	Virg.21	and perhaps rain.	10 23
29	e	Peter Apost.	Libra 5	*Were men better, the*	10 39
30	f	Sun set 8. 10	Libr. 18	*times would quickly mend.*	10 51

Moons-setting: Moons-rising. Moons-setting.

The 11 day at 10 night, Mars
The 18 day at 2. afternoon, Jupiter
The 24 day at 5 afternoon, Mercury
The 25 day at 7 morn. Venus
The 27 day at 11 morning, Saturn
The 30 day at 2 afternoon, Spica ♍
} is with the Moon.

Mercury is under the Sun-beams all this Moneth.

D.	ho.	mi.	*Full Sea at London-bridge.*
1	9 A	45	
2	10	28	
3	11	15	
4	11	57	
5	12	45	
6	mor.	45	
7	1	33	
8	2	21	
9	3	10	
10	4	1	
11	4	49	Longest day cont. 16 ho. 40 min.
12	5	36	
13	6	20	
14	7	2	
15	7	45	
16	8	28	
17	9	12	
18	10	0	
19	10	50	
20	11	45	
21	12	44	
22	1 A	45	
23	2	48	
24	3	51	Day 16 ho. 30 min.
25	4	52	
29	5	49	
27	6	43	
28	7	32	
29	8	20	
30	9	7	

July hath xxxi. dayes.

● Full moon the 8 day, 22 min. paſt 12 at noon.
☾ Laſt quarter the 16 day, 54 min. paſt 9 in the forenoon.
● New moon the 23 day, 34 min. paſt 1 in the morning.
☽ Firſt quarter the 29 day, 52 min. after 11 a clock at night.

M.	D.	Holy and feſtival days, with Sun ſet.	Moons Sign.	The Planets Aſpects, & change of ayr, &c.	Moons Riſing & Setting.	
1	♉	3 Sun.af.Tri.	Scor. 1	Bq ♄♂ White clouds.	11 A 7	Moons-Setting.
2	a	Sun ſet 8. 8	Scor. 13	Viſit. Mary.	11 27	
3	b	Cornelius	Scor. 26	△♅♀ 3 p. Fair.	11 54	
4	c	Term ends.	Sag. 8	*Contraria contr ariis il-*	12 29	
5	d	Anſhelm.	Sag. 20	*luſtrantur.* The 4 clou-	mo. 29	
6	e	Hector	Cap. 2	dy. The 5 & 6 fair.	1 16	
7	f	Sun ſet 8. 2.	Capr. 13	☽ *απογ.* Seaſonable.	2 16	
8	♋	4. Sun. af. Tr.	Capr. 25	☐ ♅ ☽ 6 p. Warm.	Full ☽	
9	a	Cyrillus	Aqua. 7	Expect ſome thunder-	8 A 33	
10	b	7. Fratres	Aqu. 19	□ ♅♂ 6 p. claps	8 46	
11	c	♂ ♄♀ 9 p.	Piſc. 1	♂♂☉ 3 p. □ ♅☉ 9 p.	9 ●	
12	d	Sun ſet 7. 55	Piſc. 13	about theſe dayes.	9 12	
13	e	Margar.	Piſc. 25	The 13 & 14 fairer.	9 23	Moons-Riſing.
14	f	Bonavent.	Aries 8	*Qui ante non cavet, poſt*	9 38	
15	♌	5 Sun. af. Tri.	Aries 21	△ ♅♀ 10 p. *dolebit.*	9 55	
16	a	Hilarin.	Taur. 4	Gentle winds.	10 14	
17	b	Sun ſet 7. 50	Taur. 18	△♀☾ 5 a. Overcaſt.	10 42	
18	c	Matern.	Gem. 1	Bq ♂♆. Variable.	11 22	
19	d	Dog. da. beg.	Gem. 16	Moiſt. ▨ ♀ ☾ 1 p.	12 18	
20	e	Elias	Canc. 1	Hot weather.	mo. 18	
21	f	Sun ſet 7. 43	Can. 16	☿ *in Digreſ. Max.*	1 32	
22	♍	6. Sun. af. Tri.	Leo 1	S S ☉ ♄. Fair.	3 1	
23	a	Apollin.	Leo 16	*Changes were, are, & ſhal*	New ☽	
24	b	Chriſtina	Virg. 1	*be, and therefore wonder*	8 A 10	
25	c	James Ap.	Virg. 15	Bq ♅♀. *not at this.*	8 27	Moons-ſetting.
26	d	Sun ſet 7. 35	Libr. 0	♂♄♆ 9 a. △ ♂♀ 5 p.	8 43	
27	e	Martha	Libr. 14	About the 26 day wind	8 56	
28	f	Panthal.	Libr. 27	♂♅☽ 6 p. & rain.	9 11	
29	♎	7 Sun. af. Tr.	Scor. 10	Afterwards more fair	9 31	
30	a	Abdon.	Scor. 25	till the mon. end.	9 55	
31	b	Sun ſet 7, 26	Sagit. 5	V c ♅♀. T d ♅☉.	10 30	

The 4 day, at 7 morning, Cor ♏
The 8 day at 8 night, Mars
The 16 day at 3 morning, Jupiter
The 24 day at 1 morn. Mercury
The ſame day, at 2 morn. Saturn
The 26 day at 2 morning, Venus
The laſt day at 1 aftern. Cor ♏
} is with the Moon.

D.	ho.	min.	*Full Sea at London-bridge.*
1	9	53	
2	10	39	
3	11	26	
4	12	14	
5	mor.	14	
6	1	2	
7	1	51	
8	2	40	Day 16 houres.
9	3	29	
10	4	14	
11	4	57	
12	5	40	
13	6	23	
14	7	6	
15	7	52	
16	8	40	
17	9	30	
18	10	26	
19	11	25	Day 15 ho. 30 m.
20	12	27	
21	1	A 30	
22	2	32	
23	3	32	
24	4	27	
25	5	20	
26	6	11	
27	6	59	
28	7	47	Day 15 houres.
29	8	33	
30	9	21	
31	10	11	

Moons-Setting. Moons-Riſing. Moons-ſetting.

Auguſt hath xxxi. dayes.

● Full moon the 7 day, 47 min. paſt 3 in the morning.
☾ Laſt quarter the 14 day, at 6 a clock at night.
● New moon the 21 day, 45. min. paſt 9. in the morning.
☽ Firſt quarter the 28 day, juſt at 3. in the afternoon.

M	D	Holy and feſtival dayes, with Sun ſet.	Moons Sign.	The Planets Aſpects, & change of the Ayr, &c.	Moons Riſing & Setting.
1	ℓ	*Lammas Day.*	Sagit. 17	*Multæ rixæ inter homines, cauſâ rerum*	11 A 12
2	D	Sun ſet 7. 21.	Sagit. 29	*Præteritarum:*	12 8
3	c	Domin.	Capr. 10	☽ ἀπογ. Very hot &	mor. 8
4	f	Ariſtarchus	Capr. 22	V c ☌ ☉. cleer ayr.	1 13
5	G	8 Sund. af. Tr.	Aqua. 4	Indifferent.	2 29
6	a	Sixtus	Aqua. 16	Fair and warm.	3 45
7	b	Sun ſet 7. 14.	Aqua. 28	☌♄☽ 2. p. Cool ayr.	Full ☽
8	c	Ladiſl.	Piſc. 10	Very ſerene.	7 A 26
9	D	Roman.	Piſc. 23	Some wind and	7 37
10	e	Laurence	Aries 5	☌☿☿ 1 a. thunder.	7 50
11	f	Sun ſet 7.7.	Aric. 18	More cleer & windy.	8 4
12	G	9 Sun. af. Tri.	Tau. 1	♄ *ſtat in* △ ☉ 4. p.	8 23
13	a	Hippoli.	Taur. 14	*Some diviſions &*	8 49
14	b	Bertram	Taur. 28	*diſcord in Paris.* Overcaſt	9 21
15	ℓ	aſſum. Mary	Gem. 12	Warm. ✶♄☾ 7 p.	10 2
16	D	Sun ſet 6. 56.	Gem. 25	☽ περιγ. ✶ ♄ ☽ 3 p.	11 15
17	e	Agapitus	Canc. 10	☌☉☿ ☍ p. Windy.	12 36
18	f	Helena	Can. 25	☿ Oriental of the ☉	mo. 36
19	G	10 Sun. af. Tr.	Leo 9	Indifferent fair.	2 7
20	a	Bernhard.	Leo 24	□☌☿ 11 p. Sudden	3 40
21	b	Sun ſet 6. 45	Virg. 9	ſhowers. △☌☾ o.	New ☽
22	c	Simpho.	Virg. 24	ſeaſonable ☾ *vac. curſ.*	6 45
23	D	Zaccheus	Libr. 8	Hot.	7 4
24	e	Barthol. Ap.	Libr. 22	Variable. ☌♃☾ 2 a.	7 22
25	f	Sun ſet 6. 36.	Scor. 5	Some change of the	7 42
26	G	11 Sun. af. Tri.	Scor. 18	☌☉♄ 7 a. ☌♃☿ 4 p.	8 4
27	a	Gebhar.	Sagit. 1	weather.	8 35
28	b	Dog da. end.	Sagit. 13	△♃☿ 12 p.	9 1
29	c	Decol. Jo.	Sagit. 25	♄ Orient.	10 8
30	D	Sun ſet 6. 28	Capr. 7	Indifferent.	11 11
31	e	Paulinus	Capr. 19	△♄☾ 2 a. Overcaſt.	12 20

Moons-Setting
Moons-Riſing.
Moons-Setting.

The 4 day, at 2 afternoon, Mars
The 12 day, at 10 morn. Jupiter
The 21 day, at 2 morn. Mercury
The same day, at 6 aftern. Saturn
The 24 day, at 7 morn. Spica ♍
The same day at 9 night, Venus
} is with the Moon.

Saturn & Mercury lye hid under the Sun-beams this mon.

D.	ho.	mi.	*Full Sea at London-bridge.*
1	10A	55	
2	11	48	
3	12	38	
4	mor.	38	
5	1	28	
6	2	15	Day 14 houres, 30 min.
7	3	0	
8	3	44	
9	4	27	
10	5	10	
11	5	54	
12	6	40	
13	7	29	
14	8	23	Day 14 houres.
15	9	19	
16	10	18	
17	11	20	
18	12	22	
19	1 A	21	
20	2	16	
21	3	10	Day 13 houres, 30 min.
22	4	3	
23	4	52	
24	5	42	
25	6	33	
26	7	21	
27	8	10	
28	9	0	
29	9	51	Day 13 houres.
30	10	41	
31	11	29	

● Full moon the 5 day, 40 min. past 6 a clock at night.
☾ Last quarter the 13 day, 3 min. past 1 in the morning.
● New moon the 19 day, half an hour past 7 at night.
☽ First quarter the 27 day, 41 min. past 9 in the forenoon.

☽	Mo	Holy and festival days, with Sun set.	Moons Sign.	The Planets Aspects, & change of Ayr, &c.	Moons Rising & Setting.	
1	f	Sun set 6. 24	Aqu. 0	☽ ☿ ☾ 9 p. Cloudy.	mo. 20	Moon-Set.
2	g	12 Sun. af. Tr.	Aqu. 12	☽ q ♂ ☿. Cool wind.	1 35	
3	a	Euphem.	Aqu. 24	Cleer. ✶ ♃ ☽ 9 p.	2 51	
4	b	Theodor.	Pisc. 6	☿ *Elong. Max. à* ☉.	4 5	
5	c	Zachari.	Pisc. 19	☽ q ♃ ☉. Indifferent.	Full ☽	
6	d	Sun set 6. 14	Aries 2	*Væ vobis, qui conjun-*	6 8	
7	e	Regina	Arie. 15	*gitis domum ad domum*	6 23	
8	f	Nat. M.	rie. 25	Fair and warm.	6 40	
9	g	13 Sun. af. Tr.	Taur. 12	☿ *Elong. Max. à* ☉.	7 2	
10	a	Sosthen.	Taur. 25	Some storms of thun-	7 31	Moons-Rising.
11	b	Sun set 6. 4.	Gem. 8	♓ ♃ ♂ 2 a. der.	8 15	
12	c	Tobias	Gem. 22	♂ ♄ ☿ 6 p. ☉ ♂ ☽ 2	9 14	
13	d	Amatus	Can. 6	☉ o. 10. ♎.	10 27	
14	e	Exalt. Cruc.	Can. 20	☽ *Perig.* Cool.	11 52	
15	f	Sun set 5. 56.	Leo 4	♂ ♂ ☾ 5 a. Temperate	13 21	
16	g	14 Sun. af. Tr.	Leo 19	Some clouds.	1 M 21	
17	a	Lambert.	Virg. 3	△ ♃ ☾ 3 a. Fair.	2 53	
18	b	Ferriolus	Virg. 18	✶ ☿ ☾ 6 p. Overcast.	4 23	
19	c	Januarius	Libr. 2	*A miserable world, that*	New ☽	
10	d	Sun set 5. 46.	Libr. 16	*men professe well, and*	5 36	
21	e	S. Matthew	Scor. 0	*deal deceitfully in*	3 55	
22	f	Mauric.	Scor. 13	△ ♂ ☿ 5 p. *their*	6 16	Moons-Setting.
23	g	15 Sun. af. Tr.	Scor. 26	*actions.* Variable.	6 43	
24	a	Rupert.	Sag. 9	V c ♃ ☿.	7 19	
25	b	Sun set 5. 35	Sag. 21	Misty morning.	8 10	
26	c	Cyprian.	Capr. 3	☉ 12. 59 ♎.	9 10	
27	d	Judith	Cap. 15	☾ ♄ ☿. Cool winds.	10 16	
28	e	Wenceſl.	Cap. 27	☾ *Apog.* High winds	11 29	
29	f	S. Michael	Aqu. 8	at the moneths	12 45	
30	g	16 Sun af. Tr.	Aqu. 20	♂ ☉ ☿ 4 p. end.	mo. 45	

The 1 day, at 2 morning, Mars ☊
The 8 day, at 1 afternoon, Jupiter
The 10 day at 1 afternoon, the 7 ✳
The 18 day at 9 morning, Saturn } ☽ is with the Moon.
The 19 day 3 morning, Mercury
The 23 day at 11 morning, Venus
The 29 day at 8 morning, Mars

Saturn, Jupiter, & ☿ are morn. Stars; ♂ & ♀ Evening stars.

D.	Ho.	m.	*Full Sea at London-bridge.*
1	12 A	16	
2	mor.	16	
3	1	1	
4	1	45	
5	2	30	Day 12 ho. 30 m.
6	3	15	
7	4	0	
8	4	47	
9	5	37	
10	6	28	
11	7	21	
12	8	20	
13	9	20	Day 12 ho. Night 12 ho. Day and Night
14	10	20	equall.
15	11	18	
16	12	14	
17	1 A	8	
18	2	0	
19	2	51	
20	3	39	Day 11 ho. 30 m.
21	4	31	
22	5	20	
23	6	10	
24	7	1	
25	7	53	
26	8	43	
27	9	31	Day 11 houres.
28	10	20	
29	11	7	
30	11	52	

Moon-Set. Moons-Rising. Moons-Setting.

October hath xxxi dayes.

● Full Moon the 5 day, 38 min. past 8 in the morning.
☾ Last quarter the 12 day, 5 min. past 8 before noon.
● New moon the 19 day, 48 min. past 7 in the morning.
☽ First quarter the 27 day, 27 min. past 6 in the morning.

K.	D.	Holy and festival days, with Sun set.	Moons Sign.	The Planets Aspects, & change of ayr, &c.	Moons Rising & Setting.
1	a	Sun set 5.22.	Pisc. 2	☽ ☿ ☊ ☿. Rain-like.	♎ M 0
2	b	Leodeg.	Pisc. 15	Cold. ☌ ♄ ☾ 6 p.	3 15
3	c	Simplicius	Pisc. 27	△ ☿ ☽ 12 p. Cloudy.	4 30
4	d	Franciscus	Arie. 10	Td ☌ ☉. Some blustri.	5 46
5	e	Fides	Arie. 24	☌ ☊ ☿ 5 p. winds	Full ☽
6	f	Sun set 5.12	Taur. 7	*Justice cuts down the*	5 A 15
7	G	17 Sun. af. Tr.	Tau. 21	*proud and evil doers.*	5 45
8	a	Pelagia.	Gem. 5	☌ ☊ ☉ 6 p. Winds	6 25
9	b	Dionysius	Gem. 19	clearing the ayr.	7 18
10	c	Gideon	Canc. 3	Something cool.	8 26
11	d	Sun set 5.2.	Can. 17	☽ *περιγ.* ☽ q ♄ ☊.	9 47
12	e	Walfrid	Leo 1	*Well met, my friend!*	11 14
13	f	Tilema	Leo 15	Rain-like. ☌ ☌ ☾.	12 41
14	G	18 Sun. af. Tr.	Leo 29	☽ ☽. ☿ ☿. Variable.	me. 41
15	a	Hedwig.	Virg. 15	Cold rain.	2 7
16	b	Sun set 4.52.	Virg. 27	Indifferent.	3 34
17	c	Florent.	Libr. 11	△ ☌ ☾ 9 p. warm.	4 57
18	d	Luke Evang.	Libr. 25	Fair. ☌ ☊ ☾ 10 a.	6 18
19	e	Ptolem.	Scor. 8	□ ☌ ☿ 3 a. Wind &	New ☽
20	f	Sun set 4.44.	Sagi. 21	✶ ♄ ☿ 11 p. storms.	4 A 47
21	G	19 Sun. af. Tr.	Sagi. 4	Variable.	5 20
22	a	Cordula	Sag. 16	Misty and cold.	6 4
23	b	Term begins.	Sag. 29	☽ *ἀπογ.*	7 2
24	c	Salome	Cap. 11	Fair and dry.	8 6
25	d	Sun set 4 35.	Cap. 23	Some wind.	9 17
26	e	Amand.	Aqua. 5	☽ q ☊ ☿. Variable.	10 30
27	f	Victoria	Aqu. 16	Very temperate.	11 46
28	G	Simon & Jud.	Aqu. 28	✶ ☊ ☌ 6 p. warm.	13 2
29	a	Narcissus	Pisc. 10	*In quo quis peccat, in*	1 M 2
30	b	Sun set 4.26.	Pisc. 23	*eo punietur.* The 29 &	2 16
31	c	Wolffg.	Aries 5	30 cold and cloudy.	3 30

Moon-set. Moons-Rising. Moons-Setting.

The 5 day, at 4 afternoon, Jupiter
The 7 day, at 7 night, the 7 ✱
The 15 day at 10 night, Saturn
The 20 day at 7. morning Mercury
The 22 day at 6. morn. Venus
The 27 day at 11 night, Mars
} is with the Moon.

The bright ✱ of Jupiter is in opposition of the Sun, & shines all the night, rising at Sun-set, and setting at Sun-rise.

D.	ho.	min.	*Full Sea at London-bridge.*
1	12 A	35	
2	mor.	35	
3	1	18	
4	2	2	Day 10 ho. 30 min.
5	2	49	
6	3	37	
7	4	31	
8	5	26	
9	6	25	
10	7	24	
11	8	23	
12	9	20	Day 10 houres.
13	10	15	
14	11	8	
15	11	58	
16	12	48	
17	1 A	35	
18	2	24	
19	3	14	
20	4	4	Day 9 ho. 30. m.
21	4	55	
22	5	46	
23	6	38	
24	7	28	
25	8	16	
26	9	2	
27	9	49	Day 9. hours
28	10	32	
29	11	15	
30	12	58	
31	12	41	

November hath xxx. dayes.

● Full moon the 3 day, 21 min. past 9 a clock at night.
☾ Last quarter the 10 day, at 3 a clock, 55 min. in the aftern.
● New moon the 17 day, at 11 a clock in the night.
☽ First quarter the 26 day, 25 min. past 3 in the morning.

M. D.	W. D.	Holy and festival days, with Sun set.	Moons Sign.	The Planets Aspects, Moons change of ayr, &c.	Moons Rising, & Setting.	
1	☽	All Saints.	Arie. 18	Frost-like. ☌♄☾ 7 p.	4 M 45	☾ last.
2	e	Sun set 4. 20.	Tau. 2	Indifferent.	6 3	
3	f	Theophilus	Tau. 16	✶♄☉ 10 a. Cold.	Full ☽	
4	♋	21 Sun. af. Tr.	Gem. 0	*Meddle not with iron*	4 A 20	
5	a	Petron.	Gem. 14	*tooles.* Lofty winds	5 9	
6	b	Leonard.	Gem. 29	☌☿♀ 8 a. about	6 17	
7	c	Sun set 4. 12.	Canc. 13	these dayes. ☒♄☾ 13	7 35	
8	☽	Claudius	Can. 28	☽ *Perig.* Cold.	9 2	
9	e	Theodore	Leo 12	Wind and clouds.	10 28	
10	f	Mart. p.	Leo 26	About the 12 day some	11 53	Moons Rising.
11	♌	22 Sun af. Tr.	Virg. 10	storms are expected.	13 19	
12	a	Sun set 4. 5.	Virg. 24	□♄♀ 6 p. △♄☿ 8 a.	1 M 19	
13	b	Eugenius	Libr. 7	Afterwards more	2 42	
14	c	Frideric.	Libr. 21	gentle gales.	4 3	
15	☽	Leopold.	Scor. 4	☿ *Elong. Max. à* ☉	5 21	
16	e	Otmar.	Scor. 17	☒☌☉ 10 p. Warm.	6 38	
17	f	Sun set 3. 58	Sag. 0	*O tempora! O mores!*	New ☽	
18	♍	23 Sun. af. Tr.	Sag. 12	Rain or Snow is	3 A 54	
19	a	Elizabeth.	Sag. 25	☌☉♀ 8 a. porten-	4 45	
20	b	Amos	Cap. 7	□☌♀ 1 a. ded.	5 46	Moons Setting.
21	c	Obl. M.	Cap. 19	Scarce fair.	6 56	
22	☽	Sun set 3. 51.	Aqu. 1	☽ *Apog.* Indifferent.	8 9	
23	e	Clement.	Aqu. 13	♀♄☿. Cold & moist.	9 22	
24	f	Chrisog.	Aqu. 24	*Let it be done, ad*	10 35	
25	♎	24 Sun. af. Tr.	Pisc. 6	*communem utilitatem.*	11 49	
26	a	Conrad.	Pisc. 18	♀☌♀. ☌♄☽ 8 p.	13 6	
27	b	Sun set 3. 45	Aries 1	*Reipublicæ.*	1 M 6	
28	c	Term ends.	Arie. 13	The weather indiffe-	2 21	
29	☽	Saturn.	Arie. 26	rent till the moneths	3 35	
30	e	Andrew Ap.	Tau. 10	end. ✶☌☾ 7 p.	4 50	

The 4 day at 4 morn. the 7 ✱
The 1 day, at 7 night, Jupiter
The 12 day at 8 morn. Saturn.
The 18 day, at 3 morn. Venus
The 19 day, at 7 night, Mercury
The 25 day, at 9 night, Mars
} is with the Moon.

D.	ho. m.	*Full Sea at London bridge.*
1	o M 41	
2	1 27	
3	2 18	
4	3 12	
5	4 13	Day 8 houres, 30 min.
6	5 13	
7	6 14	
8	7 14	
9	8 11	
10	9 3	
11	9 53	
12	10 43	
13	11 30	
14	o A 16	Day 8 houres.
15	1 4	
16	1 53	
17	2 42	
18	3 34	
19	4 24	
20	5 14	
21	6 4	
22	6 51	
23	7 36	
24	8 19	
25	9 2	
26	9 44	
27	10 28	Day 7 houres, 30 min.
28	11 10	
29	11 56	
30	12 46	

December hath xxxi. dayes.

● Full moon the 3 day, 23 min. past 9 in the morning.
☾ Last quarter the 10 day, 38 min. past 1 in the morning.
● New moon the 17 day, 5 min. past 5 at night.
☽ First quarter on Christmas day, at 10 a clock at night.

M.	D.	Holy and festivall days, with Sun set	Moons Sign.	The Planets Aspects, & change of Ayr, &c.	Moons Rising, & Setting.
1	f	Sun set. 3. 43.	Tau. 24	A cloudy evening.	6 M 9 ☾ set.
2	G	Advent Sun.	Gem. 8	△ ♃ ☉ 7 a. Fair.	7 26
3	a	Cassian	Gem. 23	□ ♄ ☿ 16. Winds rai-	Full ☽
4	b	Barbara	Canc. 8	♂ ☉ ♀ 10 a. □ ♄ ☉ 6 p.	4 A 57
5	c	Sabina.	Canc. 23	sing snow, or rain.	6 25
6	d	Sun set 3. 41.	Leo 8	△ ♃ ♀ 2 a. ☽ ☍ ☿.	7 53
7	e	Agathon.	Leo 22	*Some knavery in the*	9 26
8	f	Concep. Mar.	Virg. 7	*wind; well I take heed.*	10 54
9	G	2 Sun. Adv.	Virg. 20	Wind and clouds.	12 16
10	a	Miltiad.	Libr. 4	♀ Direct in SS ☉	mo. 16
11	b	Sun set 3. 40.	Libr. 18	Fair and frosty.	1 39
12	c	Valerius	Scorp. 1	✶ ☉ ☽ o. Indifferent.	2 58
13	d	Lucia	Scor. 14	Td ☉ ♃. Snow is pre-	4 16
14	e	Nicasius	Scor. 26	☌ ♄ ♂ 7 p. saged.	5 32
15	f	Sun set 3. 41.	Sagit. 9	Something mutable.	6 38
16	G	3. Sun. Adv.	Sagit. 21	Snow-like. □ ☌ ☾ 6 p	7 35
17	a	Lazarus	Capr. 3	☉ 5. 49. ♑.	New ☽
18	b	Christopher	Cap. 15	Fair. ▣ ♃ ☾ 10 p.	4 A 27
19	c	Loth	Cap. 27	☽ ☍ ☿. ✶ ♂ ☾ 9 a.	5 40
20	d	Sun set 3. 43.	Aqu. 9	Indifferent.	6 56
21	e	Thomas Ap.	Aqu. 21	Fair and windy.	8 9
22	f	Theodor.	Pisc. 3	Td ☉ ♄. Overcast.	9 20
23	G	4. Sun. in Adv.	Pisc. 15	At *Christm.* cold clouds	10 34
24	a	Sun set 3. 46.	Pisc. 27	☿ *in Excursu max. à* ☉	11 48
25	b	Christs Nat.	Aries 9	*Sine charitate nihil pro-*	13 2
26	c	Stephen Prot.	Aries 22	*dest, quia fundamentum*	1 M 2
27	d	John Evang.	Tau. 5	□ ♄ ☿ 0 o. *religionis*	2 17
28	e	Innocents.	Tau. 18	*Charitas est. The poor*	3 34
29	f	Sun. set 3. 52	Gem. 2	☌ ♀ ☽ 7 p. *may starve*	4 47
30	G	1 Sun. af. Chr.	Gem. 16	*for some now a dayes;*	5 58
31	a	Silvester.	Canc. 10	*good Religion!*	6 59

Moons Rising.

Moons-Setting.

The 1 day at 2 afternoon, the 7. ✱
The 9 day, at 4 afternoon, Saturn
The 14 day at 6 night, Venus
The 15 day at 10 night, Mercury
The 24 day at 5 night, Mars
The 26. day, at 11 morning, Jupiter
The 28 day at midnight, the 7 ✱
} is with the moon.

D.	ho.	mi.	*Full Sea at London-bridge.*
1	☉ M	46	
2	☽	42	
3	2	42	
4	3	44	
5	4	47	
6	5	48	
7	6	44	
8	7	39	
9	8	28	
10	9	15	
11	10	3	*Shortest day containing 7 ho. 20 min.*
12	10	49	
13	11	37	
14	12	27	
15	1 A	16	
16	2	6	
17	2	56	
18	3	45	
19	4	33	
20	5	19	
21	6	3	
22	6	44	
23	7	26	Day 7 ho. 30 m.
24	8	8	
25	8	51	
26	9	35	
27	10	23	
28	11	12	
29	12	8	
30	mar.	8	
31	1	7	*Finis anni* Juliani 1655.

The Dominion of the Moon in Mans body passing under the 12. Zodiacal Conſtellations.



The Characters of the Seven Planets, with the Drag. head and tayl.

♄ *Saturn*, ♃ *Jupiter*, ♂ *Mars*, ☉ *Sol*, ♀ *Venus*, ☿ *Mercury*, ☽ *Luna*, ☊ *Dragons-head*, ☋ *Dragons-tayl*,

The Aſpects both old and new.

☌	Conjunction, when Planets are in one ſign and degree.
SS	Semiſextile. when they are aſunder 1. Sign.
⚹	Sextile, when they are 2 ſigns diſtant.
Q	Quintil, when they are one from another 2 Sign. 12 deg.
□	Quartile, when Planets are diſtant 3 ſigns.
Td	Tridecile, when they are 3 ſigns 18 deg. diſtant.
△	Trine, when they are parted 4 ſigns.
Bq	Biquintile, when they are removed one from another, 4 ſign 24. d.
Vc	Quincunx, when they are 5 ſigns diſtant,
☍	Oppoſition, when they are diſtant a Semicircle, or 6 ſig.

In the firſt Column of the preceding Almanack is inſerted ſome of the moſt notable Conjunctions and Aſpects of the Planets, as they will happen this year, according to Harmonicon Coeleſte lately publiſhed. And herein you are to obſerve, that if you finde after the Aſpect the letter A annexed, it denotes, that the Aſpect happeth Ante meridiem, or before noon. But if you finde the letter P, it ſtands for poſt Meridiem, or afternoon, As the 6. of March is ☌ ♃ ♀ 7. p. which is a Conjunction of Jupiter and Venus at 7. of the clock in the afternoon, The ſame order obſerve for the reſt.

Of the Eclipses this Year.

THere are very few (I suppose) but know what an Eclipse either of the Sun or Moon is, yet accurately to antedate the appearance, is a task scarce yet performed by any; notwithstanding I cannot but acknowledge the great care and labour of the Noble Tycho Brahe, the mirrour and Phœnix of all our modern Astronomers, who with his coadiutor C.S. Longomontanus, hath more perfectly rectified the Doctrine of Eclipses, then any of his predecessors; but however let not the Peripateticks think that the motions and Aspects of the Planets, can be so truly calculated by the Hypotheses of Ptolomie and Tycho, as by the Copernican, which admits of the Earths mobility, sufficient experience whereof we have had by many infallible observations of late years, of which I could instance at large, were the place proper for such discourse; for the present it shall content me to mention only two remarkable Mercuriall-Eclipses, the first whereof was observed by the French Mounsier Gassendus upon the 28 of October 1651 about 8. A.M. when Mercury (by the benefit of a Telescope) was observed to come under the Sun. The other (like to this) happened upon the 24 of October 1651, about 6. A.M. as it was observed by our Countryman Mr. Ieremy Shakerley at Surat in East-India, where he observed the passage of Mercury under the Sun. Now I leave it to your selves, you studious followers of Tycho and Longomontanus, whether or no you could antedate any such appearance by that Hypothesis which you so much rely on: 'tis certain in the first of these, that Longomontanus (according to Tycho's Hypothesis) calculates the Coninnction to be upon the 23 of October, so that at the time of the Eclipse he falls neer upon 7 degrees, which is a monstrous mistake, and in the second he erres no lesse; yea the Danick-Tables themselves (being the best now extant upon that Hypothesis) fall often-times very short of truth, as I have sundry times experimented, by many vigilant observations made of the Planets places, witnesseth the place of Mars last year, when those Tables missed sundry times from the Heavens above a whole degree. But here may some say that the most of them that followed new-Tables according to the Copernican-Hypothesis, were greatly mistaken in the Suns Eclipse Anno 1652. whereas calculating the same by the Tables of Tycho and Longomontanus, it agreed very exactly. 'Tis true, but this is easily answered, for it is not an errour in the Hypothesis, but in the supposed Dimensions therein used by them, which will shortly be rectified, besides

reason her self (which is the onely impartiall Iudge in controversies) will tell them (that are capable of such learning) that all the three Hypotheses, in the motions of the Sun and Moon, will perform all one and the same thing, if the like Dimensions be used, but in the motions of the other Planets it's far otherwayes, for notwithstanding all the industry and circumspection that hath and can be used to rectifie the same, it will not be sufficient to salve the Phænomenon ad amussim, but is altogether incapable of emendation, and therefore to draw an argument against the Copernicans from the failing of an Author in in the doctrine of Eclipses, is (in my opinion) a meer and most grosse absurdity, it being (for the reasons above given) of no validity at all in this particular.

But I forbear to treat further hereof at present, partly because I have insisted so largely thereon in my Supplement to Harmonicon Cœleste, but principally in respect of want of Paper in this place, having but one sheet allowed me, and therefore I shall come to the Eclipses incident this present year, 1655.

Twice shall this primary Planet the Earth, which we inhabit, be in part deprived of the Sun's illuminating Rayes, by the interposition of the opacous body of the Moon betwixt the Sun and her, whereby those people who shall live in the obscured parts of the Earth shall take the Sun to be Eclipsed.

The first of cycle Eclipses of the Sun (as we vulgarly call it) is upon Saterday the 27 of January, which (if the ayre be cleer) will appear to us in England, yet it will be but a small Eclipse with us, though in the remote Southern parts, it will be far greater, insomuch that under the latitude of 3 degrees South it will be almost totall, and therefore may be seen in such places as adjoyn to the southern coasts of Africa, to the Iland of South Brasilia, about Fernabuco, de Ferdinandô, Lorendô, S. Augustini, Todos Los Sanctos, &c.

The Calculation, Ex Astron. Inkarat.

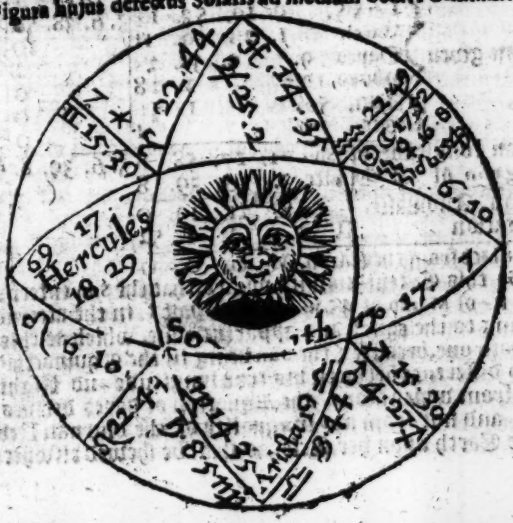
	D	H.	I	II.
The middle time of the true conjunction, Jan 27		0	44	57
Time of Reduction, Adde			1	9
Corrected time of the true ☌ Jan. 27		0	46	4
Æquation of time, Subtract			9	50
Apparent time of the true ☌ Jan. 27		0	36	14
Place of the Luminaries from the Earth	♒	17	51	47
Altitude of the Sun		21	21	6
Parallactical Angle		66	1	14
Parallax of ☽ from ☉ in Altitude			50	50
Parallax of ☽ from ☉ in Longitude			20	30
To 1. hour succeeding the true Conjunction, viz.		I	36	14
The altitude of the Sun is		18	42	56

Parallactical

			H.	l.	s.
Paralacticall Angle			56	57	35
Parallax of ☽ from ☉	in Altitude			51	39
	in Longitude			28	10
Hence the hourly motion seen is				20	50
Interval of the true & visible coniunct. Adde				59	2
Therefore the time of the visible ☌ is		Ian. 27	1	35	16
At which time, the Altitude of the Sun is			18	46	35
The Altitude of the Moon			19	13	48
The Paralacticall Angle			57	7	5
Parallax of ☽ from ☉ in Altitude				51	20
Parallax of ☽ from ☉ in Longitude				27	58
Parallax of ☽ from ☉ in Latitude				43	15
The Latitude of the Moon, South				14	8
The apparent latitude of the Moon, South				29	7
Semidiameter of the	Sun			16	33
	Moon			15	35
Summe of their Semidiameters				32	8
Parts deficient				3	1
Digits Eclipsed				5	37
Minutes of Inchdence				13	39

		h.	′.	
Hence	The begin: of this Eclipse	1	32	Afternoon.
	Visible Conjunction	1	35	
	Greatest obluration	1	42	
	The end	2	20	

Figura hujus defectus Solaris ad medium octavi Climatis.



According to Bullialdus this Eclipse should happen with us hour a quarter or an hour sooner. And according to Lansberg it should begin at 39 min. after noon, and end at 5 min. after 2. But I question the verity of these Tables, for it evidently appears both by the accurate observations of Tycho, and by others of later, that both these Authors (especially Lansberg) do much vary from the Heaven. But as for the time and quantity of this solar obscurity though I have endeavoured by the former calculation to determine it, yet I shall refer the truth thereof to your different observation.

The other Eclipse of the Sun, happeneth upon the 22 of July, but can in no wise be seen in these Northern parts of the Earth, in regard both of the time and south latitude of the Moon, yet in the longitude 174 deg. and about 2 deg. of south latitude, it will exceed 11 digits, and therefore may be seen to the Inhabitants of the Islands of the Chinoalls, Ocean, the Molucca's, New Guinea, &c. But because it little concerns us in England, I forbear to make further discription thereof.

Of the Revolution of this present Year, 1655.

The Revolution of the year takes its beginning at the Earths entring into the Æquinoctiall Signe Libra, the glorious Sun then seeming to enter into the opposite point Aries, which either way taken, will happen this year upon Saterday the 10 of March, at 1 ho 45′ 20″ in the afternoon, the Calculation wereof from my Afron Ialaurara is as followeth

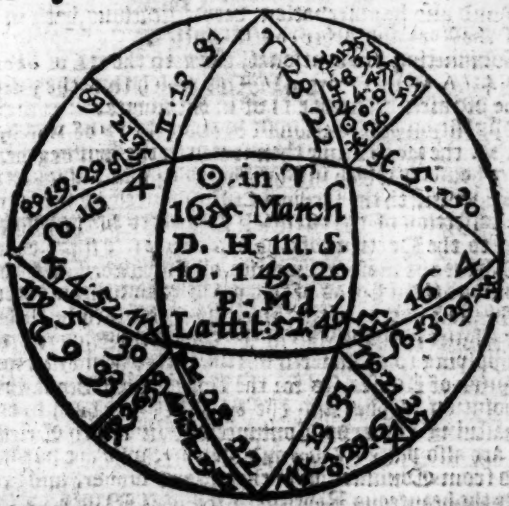
		S.	D.	′	″	D.	′	″	
Time given	1655.	9.	19.	53.	14	3.	6.	38.	56
	March	1.	28.	9.	11				10
	Dayes	9.		9.	51.	23			2
	Hours	19.			2.	28			0
	Min.	56.			1.	51			0
	Sec.	24.				1			0
Mean longitude of Sun		11.	27.	58.	8	3.	6.	39.	8.
Apogæon of ☉ Subtr.		3.	6.	39.	8				
Mean Anomalie.		8.	21.	19.	0				
Æquation	Adde		2.	1.	52				
Suns place from the Earth.		♈	0.	0.	0				

A 10 8.

By this Calculation it appears, that the Sun enters Aries the said 10 of March, at 45 min. 20 sec. past 1. in the afternoon, according to the equall and apparent time, which at this instant are both one, because (the Sun being in the Æquinoctiall) there is no difference between his true longitude and Right Ascension, from which alone, the Æquation of dayes derives its current, and not from any inæquality of the diurnall Revolution of the Earth upon her Axis, as shall be shewed elsewhere.

A

A Figure of the position of the Planetary Bodies.



In giving judgment of the state of the year, we ought diligently to consider not only the Revolution and quarterly Ingresses thereof, but also the great and lesser Conjunctions and Configurations of the Planets and Stars, and the Eclipses of the Luminaries next going before, or preceding the same Ingresse: all which in the subsequent discourse I shall carefully handle. But first for the main ground and foundation of our Astrological Deductions, we shall begin at the Radix of this annuall Revolution, in the Figure whereof finding the 16 deg. 4 min. of Leo, in the Horoscope, a fixed Signe, it intimates (according to the dictates of the learned Astrologians) that one Figure onely is to be erected for the judgment of this year, yet I well know that Origanus teacheth the contrary, part. 3. cap. 3. de Prognostico tempestatum generali, &c. to whom I assent for the most part; however considering that the Ingresse of the Earth into the Equinoctiall and Solstitiall-Points is not known exactly, they are therefore, by Carden in his Comment upon Ptolomie, not unfitly called, Themata imperfecta, imperfect Schemes, and therefore the learned Origanus, and other of our modern Astronomers, advise us to consider and examine only, the Scite and Radiation of the Planets one to another, in the Figure thereof, and to erect two other Schemes, one for the Conjunction or opposition praeventionall, and the other for the Conjunction or Opposition posteventionall, which two last are more exactly to be determined then the Ingresse can be;

and are found also by observation, very efficacious, both in the change of the Ayre and other contingencies.

The Coniunction præventionall hapneth the 26 of February at 4 ho. 42′. A.M. in 17 deg. 42′ ♓. at which time the 5 deg. of Capricorne did ascend, and the 11 of ♌ culminate.

The Oppolition postventionall is upon the 12 of March, at 4 ho. 6′. A.M. the Moon being then seated in the first degree, 34′ ♎, in the 7 house, at which instant, the 4 deg of ♈ ascends, and the 4 of ♑, possiteth the Medium Cæli.

By the collection of the essentiall Dignities of the Planets, according to the Doctrine of Origanus, pag. 461. I finde, that ♃, ♄, and ☉, have the most testimonies of Fortitude, and therefore I adiudge them Lords of this years Revolution, howsoever Mars is the most potent of the three, & is therfore to be preferd.

In the figure we have Mars in the 5 house, in Quartile to the Sun, and applying to a Quartile of Iupiter, they being in a mutuall Reception of Houses. As for the two other Gouernators of this Revolution, Iupiter and the Sun, they are both in the 11 house, hastning towards Coniunction, in which Cælestiall mansion are also placed Venus and Mercury, who are but lately separated from Coniunction with the Sun and Iupiter, and are as yet under the beauteous Rayes of their royall Master.

♃ Cum præsentit anno absque Aspectu Saturni, vel Planetæ infrigidantis, hyemis frigora contemperat, æstatis calorem auget, & eo magis si in calido signo sit, & ascendat in suo circulo, Orig. 475. When Mars shall be Ruler of the year, not beheld of Saturn, or any Planet of a cold nature, he then mitigates the colds of Winter, and increaseth the heat of Sommer, and that especially if he be in a warm Sign, and ascends in his Circle. The beginning of this Revolution is like to be warm & temperate, furnished with gentle, wholsome and salubrious windes, as the propinquity of Iupiter and the Sun foretell. ♂ cum ☉, aerem temperat & ventos leptentrionales facit, mediocres tamen, ex quibus an malia & semina conformantur, Pitat. pag 24. And were it not that the great Solar Eclipse in August last were in its highest force about this time, I should be of opinion that this year would be more temperate, seasonable and dropping then some of the late years have been, but we have not that Eclipse operating alone, but are now under and liable to the effects of three notable Oppositions of Saturn and Iupiter, which will doubtlesse have a great influence upon the grand affaires of Europe, but above all, Italy, and most of those places under Leo, are most especially concern'd thereby, whether we, or any of our neighbouring Nations, however, let us not be too secure, but humbly pray unto the Lord to avert his Iudgments, and to stay the sword of the angry Angel, the Pestilence, that threatens to devour both high and low.

Mars

Mars in ultima medietate ♐ significat bellum, mortem subitaneam, febres tertianas, & alias febres fortes & graves; multitudinem etiam abscisorum viarum, & effusionem sanguinis hominum ♂ in the last half of ♐ foreshews war, sudden death, tertian feavers, &c. But ♃ come to ♑, who is Copartner with ♂ in dominion, he being (as I said before) in the 9 house. Habebunt homines bonum in initiis, & in mutando se de una domo in aliam, saith Haly; and Bonatus adds further, Quod erit inter homines, fides & honestas atque bonum. Men shall be religious, and embrace that which is good. I hope our Separatists, and others of that Society, (of which we have good store) will at length hearken unto good counsell, and give attention to the pious Ministers of the Gospel, & no longer brand them with ignominy and reproach; but for my own part, as I desire their conversion, so I love not to fish in troubled waters; I shall therefore again return to my Authour, who tells me, that the Nobility, and men of great estates shall be much damnified, idque frequentius & majus in principio anni hujus. I might enlarge my judgment much, but I forbear, only take notice that the Sun in the 9 house, shews a generall dispositednes of men to piety. Sol in nona, significat bonam dispositionem animi hominum ergase, & in cogitationibus placabilibus deo atq; in his quæ ad fidem spectant Bonat. 577.

Summer (according to Astronomicall computation) begins when the Earth enters the first scruple of ♈, at which time is the longest day & shortest night in the year, which will come to passe on Munday the 11 of June, at 4 ho. 44 min. in the afternoon, at which time, the 19 degree of the most viperous Sign Scorpio Ascends, & the 9 of Virgo culminates, not far from the Body of Saturn. Mars is in the 2 house stationary, in the first face of Aquarius in opposition of Venus; the Sun is with Mercury in the 8 house; Mars is Lord of the Horoscope, and being in opposition of Venus, it seems to foreshew large and distilling showers of rain, and a cloudy season, not without blustring windes intermixt, which you shall finde noted in the Kalender. As for other Observations Astrologicall, I shall say little; only know this, that the position of the Planetary bodies in the Theme of this quarter, portends little good to a great sort of men; that much discord and variance is like to be amongst them, one man will not trust another, but shall seek each others ruin; but if people will persist in such malicious wayes, and not embrace more charitable courses, what can they expect but the fury of an angry God to be suddenly powred upon them. I wish England not to be too secure, nor think she shall altogether be free from trouble and dissention; and yet generally I am in some hopes that things will be better then formerly, if God for the sins of the Nation do not prevent them.

The Autumne or Harvest begins this year upon Thursday the 13 of September, 30 min. past 7 a clock in the morning, at which time the Earth levels her Axis parallel to the Suns, causing equall day and night all the world over. In the Celestiall Figure all th. angles are moveable, and Mars Lord of the Revolution is in the night house of Saturn, and in angulo terræ, greatly afflicted, which portends much strife and division, and mortality both amongst men and beasts Si fuerit ♂ in 4 significat mortem & internum exæritudine, & interfectionem ex gladiis, & effusionem sanguinis, & ejus suspicionem, & exitium eorum ex septentrione magis. Bonat. 170. It shews mortiferous diseases and slaughter by the sword, bloodshed, &c yet I hope the effects thereof will not much appear in England, for ♃, one of the Gubernators of the year, is to us angular in the Events house, in the last decanate of Aries, Englands Ascendent, a happy Omen of good to Englands Commonwealth.

Winter begins in these Northern Climates when the Earth enters the first point of Cancer, which will be this year upon Tuesday the 12 of December, at 7 of the clock and 12 min. at night, at which instant, the 0 deg. of ♋ ascends, and the 10 of ♈ is in the medium Cæli, the Ascendent of England, on the Cusps whereof is ♃, which generally foreshews much good and felicity to Englands Church and state, if Mars in the 9 (the house of Religion) cause no disturbance; and indeed it is greatly to be feared, that the great Eclipse of the Sun last year, will now produce some notable change of affairs, especially in Italy, and such other places as are subject to Leo, where the effects will principally appear; however England be not thou too secure, 'tis only repentance and amendment of thy ways, that can avert the Sword of the destroying Angel: 'tis not unknown to all, what great, eminent and wonderfull mutations have happed in our English Commonwealth of late years, yea even such as no former age can parall. l: how many families have been consum'd? how many honest men spoil'd? how many thousands hath the Sword sized upon even before our eyes? and yet who is it that condoles our misery & unhappinesse? Truly we may clearly see by the Revolution of these times, that the end of all things is neer at hand, for the greatest part of the signs of our Saviours second coming are already accomplisht, and a very few only remain. Therefore let us watch and pray continually, seeing that the time of Christs coming to judgment is near, though the last moment thereof is uncertain: Appropinquat autem finis universi. Per. 4. 7. I am very sorry that so many amongst us, yea in the very place where I live, should hold forth such strange opinions in these dayes of light, as in the judgment of the Learned, are quite contrary to the sense and meaning of the sacred

Scriptures?

Scriptures: but such things must be, for the Apostle tells us, 1 Tim 4.1. That in the last times, some shall depart from the faith, giving heed to seducing spirits, and doctrine of devils, speaking lies in hypocrisie. I; but will some say, are these those times that were foretold by our blessed Saviour and his Apostles? I answer, that to me it seems very cleer, for many false Prophets, Anabaptists, Brownists, Separatists, Seekers, are still, and have been a long time amongst us, hypocrites in Sheepes cloathing, who inwardly are ravenous wolves: Let us all (therefore) pray unto the Lord, that he would be pleased to establish peace and truth in this distracted Nation, and to remove and eradicate all heresies, schisme and impurity from amongst us, and to give us all one heart and one way, that so we may live in perfect love and unity, till the coming of the Lord, which God grant, Amen.

Of the excellent Use of the following Table, in finding the just hour of the day by a plain Staff.

TAke a Staff or Rod, of what length you please, and divide the same into 12 equal parts, then set it upright in some plain level place, and measure how many parts the shadow thereof contains, which being known, finde out the number of those parts in the Table, right against the day of the moneth, and in the same columme over-head, you have the true hour of the day. But if you cannot finde the just day of the moneth, neither the said parts exactly, then must you make proportion, or take the nearest thereunto; so shall you obtain the hour of the day, with much facility, as by the following Exam. doth appear.

Suppose that upon the 9 of April or 13 of August, I should erect my staff perpendicularly upon plain level ground, and finde the shadow thereof to contain 17 parts (that is once the length of my staff and 5 parts more) now seeking in the Table right against the said day, for 17 parts, I finde overhead, that it is then either 9 a clock before noon, or 3 after noon, so that had the observation been in the forenoon, it had been 9 a clock, if in the afternoon, 3 of the clock, as the head of the Table demonstrates.

But suppose the same day in the afternoon, you had found the shadow of your staff to be 40 parts (that is to say, 4 times the length of the Staff, and one part more) which number is not to be exactly found in the Table, therefore I take the next lesser sum, which is 36 (to which answers 5 a clock above-head) and the next greater sum 75, which corresponds to 6 a clock, so that the difference is 39 parts to the hour given; then I deduct 36 parts from the length of the shadow found 40, and the residue 12, shews how much it is past 5 a clock, which to resolve into time, I say, that if the difference in one hour, 39 parts, give one hour or 60 min. what shall 13 parts give? Having made operation by the Golden-Rule, I finde in the Quotient 20 min. which tells me, it is then 20 min. past 5 of the clock in the afternoon.

A Table shewing the true hour of the Day, by help of a plain walking-staff, divided into twelve equall parts and divisions.

Ho. before noon. / Ho. after noon.		12	11 / 1	10 / 2	9 / 3	8 / 4	7 / 5	6 / 6	5 / 7	4 / 8
11	11 June.	6.	7.	9	12	16	23	36	58	320
June. 6.	16	6,	7.	9	12	16.	23	36.	69	341
31	21	7	7:	9	12	16:	23.	36:	71	376
26	27	7	7,	9.	12,	16,	23:	37.	74	497
21	2. July	7.	8	9:	12:	17.	24	38:	78	781
16	7	7:	8.	10	13,	17,	25	40	83	8250
10	12	7,	8:	10	13	18.	26	41:	94	
May 5.	18	8	9	10:	13:	18,	27	44,	109	
30	23	8:	9	11	14	19:	28	48	129	
25	28	8,	9:	11:	14:	20	29:	52	160	
20	2. Aug.	9.	10:	12	15	21	31	58	235	
14	7	9,	10	12:	16	22	33	65	430	08
9	13	10:	11	13	17	23	36	75	2428	
Apr. 4.	18	11	11,	14	18	25	40	89	a part more; if (:) half a part, but if (,) then it shews	
30	23	12	12:	15	19	27	44	110		
25	28	13	13:	16	20	29	49	146		
20	2. Sep.	14	14.	17	21:	31	55	218		
15	7	15	15:	18	23	34	64	434	that the shadow is three quarters of a part	
10	12	16	16:	19:	25	37	75			
Mar. 5.	17	17.	17,	21	27	42	92			
28	23	18.	19	22:	30	47	117			
23	28	19:	20:	24	33	53	160			
18	3. Octo.	21	22	26	36	61	251			
13	8	23	24	28	40	71	544			
8	13	25	26	31	44	84	more then the Figure it self			
Febr. 3.	18	27	28	34	49	103				
29	23	29	31	37	55	132				
24	28	31	33	41	62	175				
19	2. Nov.	33	36	45	71	255				
14	7	36	38:	49	81	413				
9	11	39	41	53	92	1058	thereto.			
Jan. 4.	16	41	44	57	104					
31	21	43	47	61	118					
26	26	45	49	65	139					
21	1. Dec.	47	51	68	145					
16	6	48	52	70	150					
Decem.	11	49	52	71	154					

Note that if after a Figure you finde this point (.) it signifies a quarter of

A very brief and ready way, to finde the hour of the Night at all times by the Stars.

ALthough in the beginning of the Almanack I have given directions to finde the hour of the night by the Moon, which is a thing of speciall use for all such as have occasion to know the true hour, yet notwithstanding, because the Moon is not at all times to be seen, I shall here shew also how to effect the same by the Stars, which I have the more willingly done (at the request of some private friends) in respect of the generall use thereof: for which purpose I have composed the two following Tables, the first whereof shews the Right Ascension and Semidiurnall Arch of 68 of the principallest fixed Stars, and the second shews the Suns Right Ascension for every other day in the year.

The use of these Tables is twofold: First they direct us to finde at what hour and min. any of the Stars in the first Table, will be upon the Meridian: or seeing them upon the Meridian, they tell you exactly the hour of the night.

Secondly, They shew at what hour and min. any of the said Stars Rise or Set, and therefore seeing any of them either in the East or West Horizon, you may also thence learn the night hour. And because the use hereof is of good consequence, I shall make further illustration thereof.

Therefore if the southing be inquired seek the Right Ascension of the Star, from which subtract the Suns Right Ascension, and the Remainder will be the time of Southing: therefore seeing any of them on the Meridian (as one or other of them is neer or in it at all times) you may thence presently know the hour by observing the premises.

Example. Suppose that upon the 15 of October early in the morning, I should espy the Pleiades or seven Stars upon the Meridian or South point, and from thence am desirous to know the true hour of the night, wherefore I seek the Right Ascension of the 7 Stars in the respective Table, which is 3 ho 27 min. and the Right ascension of the Sun, which is 13 ho. 59 min. and because subtraction cannot be made, I add to the Right Ascension of the 7 Stars, 24 ho. and from the sum 27 ho. 27 min. I deduct the Suns Right Ascension and the Remains is 13 ho. 28 min from which taking 12, their remains 1 ho. 28 min. in the morning, for the true hour of the night, or time of the 7 Stars coming to the South the said 15 of October.

Again, if the Rising and Setting be required, you must (by the Table) finde the Semidiurnall Arch, which if you subtract from the time of the Southing, it gives you the time of the rising, but adding the same thereto, it shews the time of setting.

Suppose

Suppose therefore, the same day you desire to know when the 7 Stars rise and set, seek therefore their Semidiurnall Arch, which you shall finde 8 ho. 16 min. which substracted from the time of fourthing 13 ho. 28 min. leaveth the time of their rising at 5 ho. 12 min. at night; but adding them together, it giveth the time of their setting at 9 ho. and 43 min. the next morning. Therefore in case you should see the 7 Stars rising that night you might conclude it 12 min. past 5 a clock at night, but if you should see them (in the East) an hour high, it is 12 min. past 6. if 2 ho. high, then it is 12 m. past 7. if 3 ho. high, 12 m. past 8, &c.

A Table shewing the Right Ascension and Semidiurnall Arches of 68 of the principallest fixed Stars; calculated for this Year 1655.

Names of the Stars.	Right Ascen. Ho.	Min.	Semi. Arch. Ho.	Min
Sedir in Cassiopea	0	21	Set not.	
Southern * of the Whales-tayl	0	26	4	4
The * in the sterion of Cassiopea	0	37	Set not.	
The girdle of Andromeda	0	50	10	6
Ruer of Cassiopeia	1	4	Set not.	
The former horn of the Ram	1	35	7	38
Whales belly	1	35	4	55
Hinder horn of the Ram	1	36	7	48
The bright * of the Ram	1	48	8	7
Bright * in the taw of the Whale	2	44	4	15
The head of Medusa	2	46	Set not.	
The bright side of Perseus	2	50	Set not.	
Bright * of the Pleiades, or 7 *	3	27	8	16
North eye of the Bull	4	8	7	43
Aldeboran	4	16	7	27
The Goat	4	51	Set not.	
Bright foot of Orion	4	58	5	14
North horn of the Bull	5	5	9	0
The former Shoulder of Orion	5	7	6	32
Former * of Orion's Belt	5	15	5	57
Southern horn of the Bull	5	17	8	1
Middlemost * of Orions Belt	5	19	5	52
The lower * of the Belt	5	23	5	49
Right shoulder of Auriga	5	35	Set not.	
Following shoulder of Orion	5	37	6	39
The bright foot of Ω	6	18	7	32
Sirius. The greater Dogge	6	30	4	30
Procyon. The lesser Dogge	7	21	6	32

Brighe

Names of the Stars.	Right Ascen. Ho.	Min.	Semi. Arch Ho.	Min.
Bright * in the hinder deck of the ship	7	53	1	43
North Aselius	8	23	8	14
South Aselius	8	25	7	50
Head of Hydra	9	11	6	38
Lyons Heart. Βασιλισκος	9	50	7	14
The * in the hinder part of the Lyons	9	57	8	32
The bright * in the flank of ♌ (neck	10	56	8	11
Tayl of the Lyon	11	31	7	32
The Virgins girdle	12	38	6	28
Vindemiatrix	12	45	7	9
The Virgins Spick	13	7	5	11
Arcturus	14	0	8	2
Left shoulder of Bootes	14	18	Set not.	
South Ballance	14	32	4	40
North Ballance	14	59	5	17
Bright Star of the Crown	15	24	8	56
Bright Star of the Serpents neck	15	28	6	40
Antares, The Scorpion Heart	16	8	8	21
Right shoulder of Hercules	16	15	8	10
Left knee of Ophiuchus	16	18	5	8
Right knee of Ophiuchus	16	45	4	36
Head of Hercules	16	59	7	22
Head of Ophiuchus	17	19	7	10
Bright Star of the Dragons Head	17	49	Set not.	
Bright Star of the Harp	18	21	Set not.	
Tail of the Vulture	18	50	7	14
The Swan's Bill	19	17	8	51
Bright Star of the Vulture	19	34	6	43
Higher wing of the Swan	19	34	Set not.	
Higher Horn of the Goat	19	59	4	46
Lower horn of the Goat	20	2	4	33
Swans tayl	20	30	Set not.	
Lower wing of the Swan	20	32	9	48
Girdle of Cepheus	21	24	Set not.	
The South of Pegasus	21	27	6	44
Foumhant ≈	22	38	2	28
Scheat	22	47	88	42
Warchad	22	48	7	13
The Head of Andromeda	23	51	8	51
Bright Star in the Chair of Cassiopea	23	52	Set not.	

A Table of the Suns Right Ascension for every other day this Year.

Day	Januar. ho.	m.	Febru. ho.	m.	March ho.	m.	April ho.	m.	May ho.	m.	June ho.	m.
1	19	32	21	40	23	27	1	19	3	12	5	17
3	19	41	21	49	23	35	1	27	3	20	5	25
5	19	50	21	57	23	42	1	34	3	28	5	34
7	19	58	22	4	23	49	1	41	3	36	5	42
9	20	7	22	12	23	56	1	49	3	44	5	51
11	20	15	22	20	0	3	1	56	3	52	5	59
13	20	23	22	27	0	11	2	4	4	0	6	7
15	20	31	22	35	0	18	2	12	4	8	6	16
17	20	40	22	43	0	25	2	20	4	16	6	24
19	20	49	22	50	0	32	2	27	4	24	6	32
21	20	57	22	58	0	39	2	35	4	33	6	41
23	21	6	23	5	0	47	2	42	4	41	6	49
25	21	13	23	12	0	54	2	49	4	49	6	57
27	21	21	23	20	1	1	2	57	4	57	7	5
29	21	29			1	8	3	5	5	5	7	14

Day	July ho.	m.	August ho.	m.	Septemb. ho.	m.	October ho.	m.	Novemb. ho.	m.	Decemb. ho.	m.
1	7	21	9	24	11	18	13	6	15	6	17	14
3	7	30	9	32	11	25	13	13	15	14	17	22
5	7	38	9	40	11	33	13	21	15	22	17	31
7	7	47	9	46	11	40	13	28	15	30	17	40
9	7	55	9	54	11	47	13	35	15	39	17	49
11	8	2	10	2	11	53	13	43	15	47	17	58
13	8	11	10	9	12	1	13	52	15	56	18	7
15	8	18	10	16	12	8	13	59	16	4	18	16
17	8	26	10	24	12	15	14	7	16	13	18	25
19	8	34	10	31	12	22	14	14	16	21	18	34
21	8	42	10	38	12	29	14	22	16	30	18	43
23	8	50	10	45	12	37	14	30	16	38	18	52
25	8	58	10	53	12	44	14	38	16	47	19	1
27	9	5	11	0	12	51	14	46	16	56	19	9
29	9	13	11	7	12	59	14	54	17	5	19	18

Of the Æquation of Naturall-Dayes.

IT is generally granted by all Astronomers, that the Dayes naturall, are unequall (that is to say, not alwayes 24 hours exactly) yet in finding the inæqualtty, there hath been no small dissention, it being to this day, a thing much controverted; and therefore I shall here speak briefly of the cause thereof, and shew the errour of the Ancients in that particular: and first of all I shall demonstrate the same according to the Systeme of Ptolomie, whom most Authors have hitherto followed; for if with him, we suppose the Earth to be the Center of the Visible World, and the Sun to move once about it in 24 hours, then we must of necessity acknowledge (with him) that the inæquality of naturall dayes derives its current from two fountains, the one arising from the difference of the Arches of the Ecliptick and Equator, & the other from the inæquality of the Sunne motion about the Earth, as it daily appears to us. This way hath been hitherto most esteemed, and had been more true then any other, had the Earth been the Center, as the Ptolomaicks imagin, but the admirable observations of the Noble Tycho, and others, do evidently testifie, that this is not true, as may be evinced from his most accurate consideration of Eclipses; and from thence it must follow, that the Ptolomaick-Systeme is false and absurd: yet this Æquation was entertain'd by Copernicus, Reinhold, Lansberg, and others, and is not wholly rejected of the Learned Bullialdus, notwithstanding, he finding it not agreeable to observation, doth in part relinquish it, and admits only of the inæquality, as it ariseth from the difference of the two Arches of the Equinoctiall and the Ecliptick, and the inæquality of the daily Revolutions of the Earth upon her own Axis, arising from the Eccentricity. But this is but a supposition at most, and is not fortified with Arguments indubitable, neither is it consentaneous to Tycho's observations, and though in H.C. I have imitated the same, as coming neerer the truth then the other, yet having since perused the Ephemeris of my worthy friend Mr. Tho. Streete for Anno 1654. I found that he hath there made a cleerer Demonstration thereof upon the Systeme of Copernicus, and more agreeable to truth and observation, then either Copernicus himself, or Bullialdus, or any other before him hath done, if my judgment may be taken for current. Neverthelesse being not fully satisfied with the variation thereof, which is supposed to arise from the Recession of the Æquinoxes and Solstices, and having had some conference with him (by Letter) about it, we have at length concluded, that there is no Æquation of Dayes, but what ariseth from the Suns true Longitude, and the Right Ascension thereof. The Demonstration

of

of this, I hope you will finde to your satisfaction in his Ephemeris for this year 1655. where you may finde a more clearer Demonstration and Restauration thereof, for the benefit of posterity, then any hath hitherto done before him, which (though Tycho and Longomontanus have followed) cannot be demonstrated any other way, or by any Systeme whatsoever, except only by that of Copernicus, which without all dispute is the only true one, and the most exact, genuine, and absolute, that was ever yet invented, not only in this particular, where it exactly performs this inæquality of dayes, which no other Hypothesis can do, but also most accurately determins the wonderfull Motions, and distances of the Planets at all times, without those woodden helps, which the Ancients most fondly devised. But of these things I have treated at large in my Astronomia Instaurata, where I make a Demonstration of what I here can but barely mention for want of Paper.

POSTSCRIPT.

Mathematicall Readers;

MVltiplicity of businesse hath hitherto prevented me of finishing my *Epitome Astronomiæ Instauratæ*, but now having (in my vacant hours) perfected the same, I intend to commit it to the Presse, which you may expect in publick in few Moneths, together with new and accurate *Ephemerides* of the *Cœlestiall Motions* for ten years, beginning *Anno* 1659. being composed according to my late Rectification of the Planetary Motions; both which I shall refer to the censure of the impartiall and iudicious Artist, and rest alway.

Yours and *Urania's* servant
VINCENT WING.

ABout two years since there was published by *Mr. Will: Leybourn* a Book entituled the *Compleat Surveyor*, wherein the whole Art of Surveying of Land is very perfectly and exactly taught, severall wayes and by severall instruments. But since having seen a Book of that nature under the name of *J. Eyre* called the *Exact Surveyor*, I finde it only a Transcript, being the same verbatim with a book entituled *Planometria*, formerly published by Mr. *Leybourn*, only a few unnecessary Propositions added, which were absurdly borrowed from him and others. Notwithstanding Mr. *Leybourn* and others thus palpably wronged, and that Work of his which he intended should have been buried in silence (all the Diagrams therein used being drawn only by estimation much varying from the Examples to them belonging) fathered by another man, I was indeed (through the love I bear to them that are Artists) induced to add these few lines to vindicate the said Mr. *Leybourn*, and to make known to the world how much I detest such abusive and pitifull actions as these are. *V. Wing.*